C natural

Ramsay

The difference between B# and **C?** is the apotome minor - a very small difference - and this can only occur in the mathematical scales. In tempered scales, such as are played on the piano, one key serves equally well for both. Although seven sharps may be employed, seven black keys are necessary. As F# and G? have the same relation to each other as B# and **C?**, and as B# does not require a black key but is found on a white one, so all the semitonic necessities for twelve tempered scales are fully supplied by 5 black keys, since the white keys are as much semitonic as the black ones. [Scientific Basis and Build of Music, page 80]

Hughes

In the diagrams the circles are not drawn as interlacing into each other, from the difficulty of representing them accurately as rising spirally in geometric progression. If we endeavour to realise the development of harmonies, both in geometric order, and at the same time advancing and retiring, as in musical clef, we must imagine a musician having the physical power of striking all the notes on a circular keyed instrument of seven octaves, linked to a lower series of seven octaves, and a corresponding series of seven higher. But in fact the depth of the lower series, and the height of the higher, are alike unfathomable to our present powers. C, the first note of the seven octaves, sounds the four lowest tones, F, G, A, B of the lower series; and B, the last and highest note of the seven octaves, sounds in its harmony **C?** and D# of the higher series of sevens. [Harmonies of Tones and Colours, The Method of Development or Creation of Harmonies3, page 17]

SCALES ASCENDING.	3RD NOTES.	7TH NOTES.	KEYS.	
С	E	В		
G	В	F#	F	
D	F#	C#	FC	
Α	C#	G#	FCG	
E	G۶	D#	FCGD	
В	D#	A#	FCGDA	THE TWO POLES.
F#	Α	E#	FCGDAE	FCGB DAE sharps
D۶	F	С	GDAEBF \$	GDAC ^{\\} EBF ^{\\\} flats
Ab	С	G	DAEB	
Еþ	G	D	AEB	
Вþ	D	Α	EB	
F	Α	Ε	В	
C octave				

(click to enlarge ☑)

[Harmonies of Tones and Colours, The Twelve Scales Meeting by Fifths, page 31a]

The Minor Gamut modulating in the meeting of fifths through seven octaves. We may here trace the twelve, each fifth note becoming the higher key-note. But the sixth and seventh notes of the scale are discords. For example, in the key of A, the sixth note, F?, is a discord with the second note, B?; and the seventh note cannot be sounded as G# falling into the eighth, without being a discord with the third note, **C?**. No octave can be sounded in the Minor Scale, as it has risen into the fifth higher key of E. [Harmonies of Tones and Colours, The Minor Gamut Modulating in the Meeting of Fifths61, page 65]