

Converting Colors

CIELCh(20, 7.246, 30.655)

Have a look what the booklet for
CIELCh(20, 7.246, 30.655) contains.

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Color

CIELCh(20, 7.111, 31.724)

Conversions

Conversions Part 1

Format	Color
Hex	3B2D2B
RGB	59, 45, 43
RGB Percent	23%, 18%, 17%
CMY	0.7683, 0.8233, 0.8311
CMYK	0.00, 0.24, 0.27, 0.77
HSL	8°, 16%, 20%
HSV	8°, 27%, 23%
XYZ	3.1863, 2.9891, 2.7011
YIQ	48.9580, 8.9860, 2.3460

Conversions

Conversions Part 2

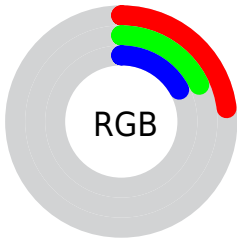
Format	Color
R_{YB}	59, 45, 43
Decimal	3878187
CIE _{Lab}	20.00, 6.05, 3.74
CIE _{LCh}	20, 7.111, 31.724
Yxy	2.9891, 0.3590, 0.3367
Android (android.graphics.Color)	4282068267 (0xFF3B2D2B)
YUV	48.9580, -2.9373, 8.8068
Hunter-Lab	17.2889, 2.6421, 2.8391

Details

The CIELCh color **20, 7.111, 31.724** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 6.052, 211.247**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 7.244, 34.748**, and **1, 4.364, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 10.090, 32.184**, and if you desaturate by 10%, it is **22, 4.327, 31.408**.

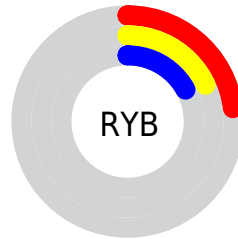
Distribution



Red (23%)

Green (18%)

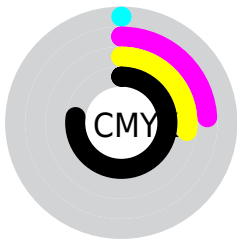
Blue (17%)



Red (23%)

Yellow (18%)

Blue (17%)

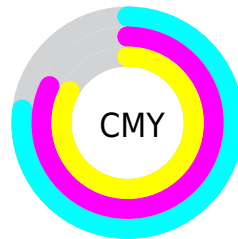


Cyan (0%)

Magenta (24%)

Yellow (27%)

Black (77%)



Cyan (77%)

Magenta (82%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 7.111, 31.724 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 20, 7.111, 31.724 by changing the saturation by 10% instead.

■ 20, 7.111, 31.724 ■ 20, 7.111, 31.724

■ 100, 7.111, 31.724 ■ 10, 7.111, 31.724

■ 40, 7.111, 31.724 ■ 0, 7.111, 31.724

■ 50, 7.111, 31.724

■ 60, 7.111, 31.724

■ 70, 7.111, 31.724

■ 80, 7.111, 31.724

■ 90, 7.111, 31.724

■ 20, 7.111, 31.724 ■ 20, 7.111, 31.724

■ 18, 10.090, 32.184 ■ 22, 4.327, 31.408

17, 13.267, 32.806

24, 1.733, 31.135

15, 16.630, 33.638

25, 0.686, 211.509

14, 20.104, 34.504

27, 2.944, 211.210

12, 23.189, 33.961

29, 5.055, 211.192

11, 25.793, 32.606

31, 7.035, 211.235

10, 28.136, 31.977

33, 8.897, 211.314

10, 28.808, 31.843

35, 10.655,
211.419

37, 12.319,
211.543

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20, 7.111, 31.724



23, 6.052, 211.247

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20, 7.111, 31.724



20, 7.111, 81.724



20, 7.111, 211.724



20, 7.111, 261.724

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20, 7.110, 31.732



31, 2.436, 31.176



20, 12.032, 329.151



14, 1.703, 31.196



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20, 7.110, 31.732



25, 11.036, 32.052



22, 7.260, 83.890



11, 1.404, 31.179



19, 45.347, 38.711



47, 92.030, 41.430

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23, 6.052, 211.247



30, 8.933, 211.364



20, 7.114, 270.411



11, 1.340, 211.249



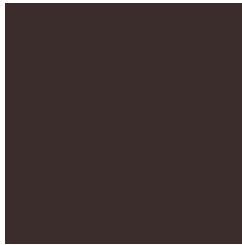
32, 21.321, 217.700



72, 39.528, 219.666

Previews

White Background



This preview shows how the CIELCh color 20, 7.111, 31.724 looks on a white background.

Color Contrast Check

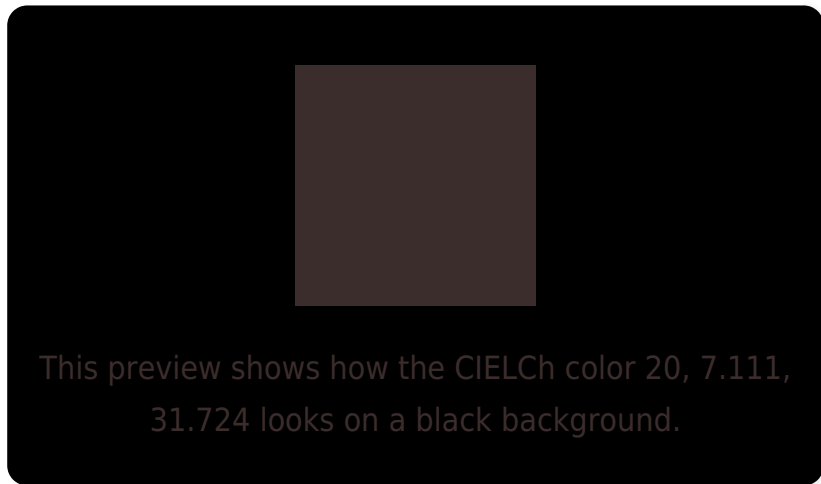
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

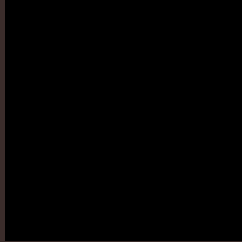
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 20, 7.111, 31.724

Background



This preview shows how black text looks on a background with the CIELCh color 20, 7.111, 31.724.

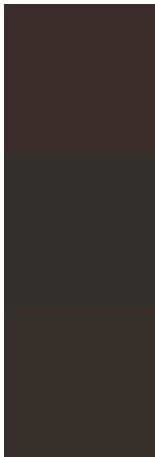


This preview shows how white text looks on a background with the CIELCh color 20, 7.111, 31.724.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20, 7.111, 31.724

Protanopia

20, 2.244, 84.321

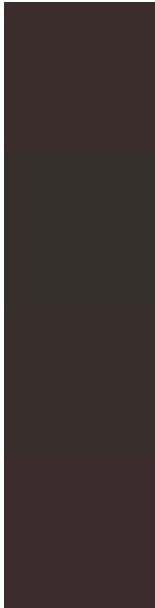
Deuteranopia

20, 4.801, 54.231



Tritanopia
20, 8.145, 1.934

Trichromacy



Original Color

20, 7.111, 31.724

Protanomaly

20, 3.567, 54.531

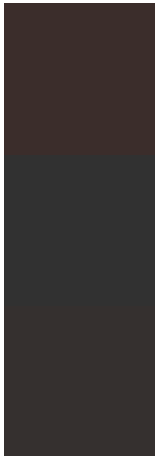
Deuteranomaly

20, 5.363, 42.487

Tritanomaly

20, 7.909, 11.386

Monochromacy



Original Color

20, 7.111, 31.724

Achromatopsia

20, 0.004, 296.813

Achromatomaly

20, 2.484, 35.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 7.111, 31.724 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(59, 45, 43)` looks like.

```
.text, #text, p{  
    color:rgb(59, 45, 43)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(59, 45, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 45, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 7.111, 31.724 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(59, 45, 43) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(59, 45, 43) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(59, 45, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 45, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 45, 43);  
box-shadow:4px 4px 4px 4px rgb(59, 45, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 7.111, 31.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 45, 43) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(59, 45,  
43) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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