

Converting Colors

CIELCh(9, 81.698, 14.776)

Have a look what the booklet for
CIELCh(9, 81.698, 14.776) contains.

CIELCh(20, 51.784, 35.708)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(20, 51.784, 35.708)

Conversions

Conversions Part 1

Format	Color
Hex	690001
RGB	105, 0, 1
RGB Percent	41%, 0%, 0%
CMY	0.5878, 1.0000, 0.9961
CMYK	0.00, 1.00, 0.99, 0.59
HSL	359°, 100%, 21%
HSV	359°, 100%, 41%
XYZ	5.8330, 2.9891, 0.2977
YIQ	31.5090, 62.2590, 22.5710

Conversions

Conversions Part 2

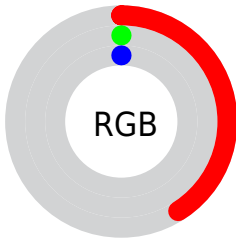
Format	Color
RYB	105, 0, 1
Decimal	6881281
CIELab	20.00, 42.05, 30.22
CIELCh	20, 51.784, 35.708
Yxy	2.9891, 0.6396, 0.3278
Android (android.graphics.Color)	4285071361 (0xFF690001)
YUV	31.5090, -15.0409, 64.4516
Hunter-Lab	17.2889, 29.9672, 11.0811

Details

The CIELCh color **20, 51.784, 35.708** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **40, 26.290, 195.033**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 51.625, 35.911**, and **6, 26.978, 20.143** is the 20% darker color. If you saturate the color by 10%, you get **20, 51.626, 35.979**, and if you desaturate by 10%, it is **21, 47.914, 34.517**.

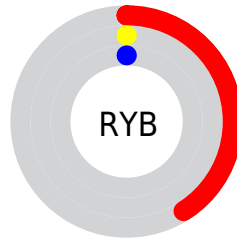
Distribution



Red (41%)

Green (0%)

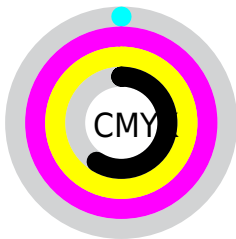
Blue (0%)



Red (41%)

Yellow (0%)

Blue (0%)

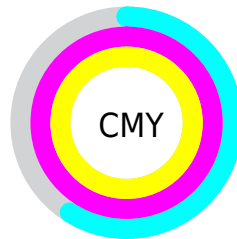


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (59%)



Cyan (59%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 51.784, 35.708 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, 51.784, 35.708 by changing the saturation by 10% instead.

■ 20, 51.784, 35.708

■ 20, 51.784, 35.708

■ 100, 51.784,
35.708

■ 10, 51.784, 35.708

■ 0, 51.784, 35.708

■ 40, 51.784, 35.708

■ 50, 51.784, 35.708

■ 60, 51.784, 35.708

■ 70, 51.784, 35.708

■ 80, 51.784, 35.708

■ 90, 51.784, 35.708

■ 20, 51.784, 35.708

■ 20, 51.784, 35.708

20, 51.626, 35.979

21, 47.914, 34.517

22, 43.076, 31.685

24, 37.386, 28.547

26, 31.503, 25.943

29, 25.625, 23.871

32, 19.903, 22.249

35, 14.438, 20.982

38, 9.290, 19.985

41, 4.479, 19.170

Harmonies

Complementary

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



20, 51.784, 35.708



40, 26.290, 195.033

Rectangle

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



20, 51.784, 35.708



20, 51.784, 85.708



20, 51.784, 215.708



20, 51.784, 265.708

Sweetspot

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



20, 51.626, 35.979



45, 18.075, 21.079



23, 60.275, 327.608



21, 12.367, 21.439



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



20, 51.626, 35.979



28, 64.818, 38.561



28, 43.787, 61.046



21, 2.546, 19.092



23, 56.704, 37.212



51, 101.009, 39.727

Inverse Universe

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



20, 51.626, 35.979



28, 64.818, 38.561



23, 34.626, 279.718



21, 2.546, 19.092



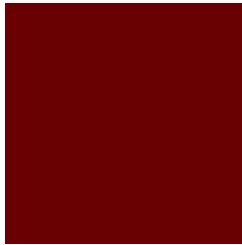
23, 56.704, 37.212



51, 101.009, 39.727

Previews

White Background



This preview shows how the CIELCh color 20, 51.784, 35.708 looks on a white background.

Color Contrast Check

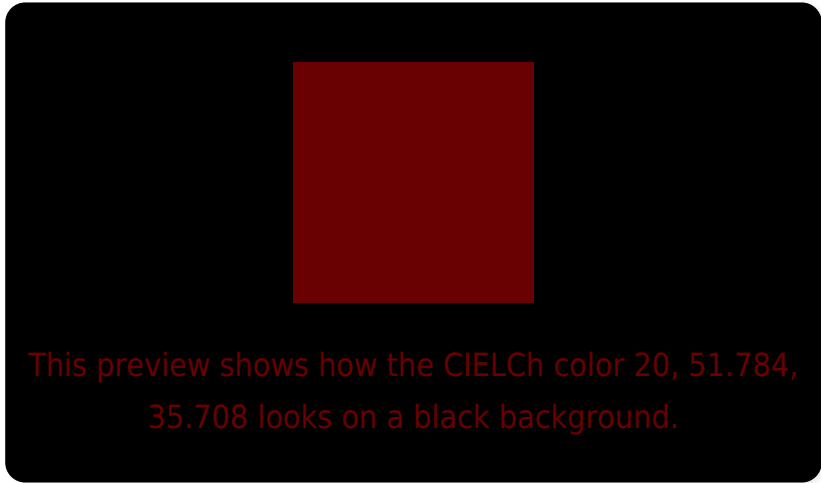
Large Text (above 18pt) WCAG AA ✓ Pass

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, 51.784, 35.708

Background



This preview shows how black text looks on a background with the CIELCh color 20, 51.784, 35.708.



This preview shows how white text looks on a background with the CIELCh color 20, 51.784, 35.708.

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, 51.573, 35.959

Protanopia

22, 24.906, 95.610

Deuteranopia

22, 30.788, 85.379



Tritanopia
21, 49.986, 38.778

Trichromacy



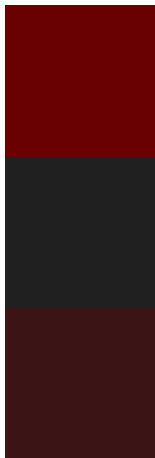
Original Color
20, 51.573, 35.959

Protanomaly
19, 29.947, 53.200

Deuteranomaly
19, 35.282, 53.288

Tritanomaly
20, 50.514, 37.755

Monochromacy



Original Color
20, 51.573, 35.959

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 21.357, 24.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 51.784, 35.708 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(105, 0, 1)` looks like.

```
.text, #text, p{  
    color:rgb(105, 0, 1)  
}
```

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(105, 0, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 0, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 51.784, 35.708 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(105, 0, 1) }
```

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

```
.border{ border-color:rgb(105, 0, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 0, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 0, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(105, 0, 1); box-shadow:4px  
4px 4px 4px rgb(105, 0, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 51.784, 35.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 0, 1) }
```

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

```
.background{ background-color: rgb(105, 0,  
1) }
```

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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