

Converting Colors

CIELCh(21, 51.999, 33.806)

Have a look what the booklet for
CIELCh(21, 51.999, 33.806) contains.

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Color

CIELCh(21, 51.792, 33.835)

Conversions

Conversions Part 1

Format	Color
Hex	6D0008
RGB	109, 0, 8
RGB Percent	43%, 0%, 3%
CMY	0.5735, 1.0000, 0.9697
CMYK	0.00, 1.00, 0.93, 0.57
HSL	356°, 100%, 21%
HSV	356°, 100%, 43%
XYZ	6.3143, 3.2451, 0.5152
YIQ	33.5030, 62.3960, 25.5960

Conversions

Conversions Part 2

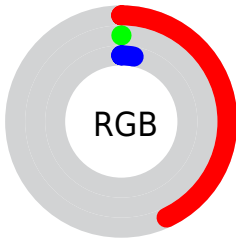
Format	Color
RYB	109, 0, 8
Decimal	7143432
CIELab	21.00, 43.02, 28.84
CIElCh	21, 51.792, 33.835
Yxy	3.2451, 0.6268, 0.3221
Android (android.graphics.Color)	4285333512 (0xFF6D0008)
YUV	33.5030, -12.5730, 66.2109
Hunter-Lab	18.0142, 31.0426, 10.9143

Details

The CIELCh color **21, 51.792, 33.835** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **41, 28.384, 186.553**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 51.884, 34.078**, and **7, 28.690, 22.151** is the 20% darker color. If you saturate the color by 10%, you get **21, 51.744, 33.908**, and if you desaturate by 10%, it is **22, 47.792, 31.608**.

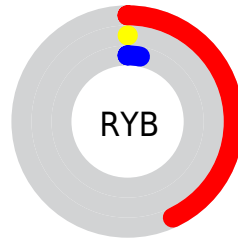
Distribution



Red (43%)

Green (0%)

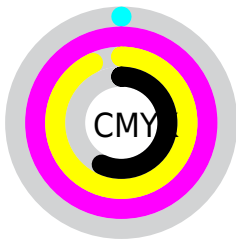
Blue (3%)



Red (43%)

Yellow (0%)

Blue (3%)

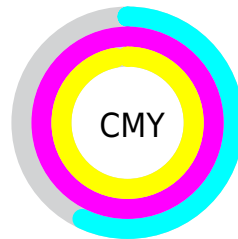


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (57%)



Cyan (57%)

Magenta (100%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 51.792, 33.835 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 21, 51.792, 33.835 by changing the saturation by 10% instead.

■ 21, 51.792, 33.835

■ 21, 51.792, 33.835

■ 100, 51.792,
33.835

■ 11, 51.792, 33.835

■ 41, 51.792, 33.835

■ 1, 51.792, 33.835

■ 51, 51.792, 33.835

■ 0, 51.792, 33.835

■ 61, 51.792, 33.835

■ 71, 51.792, 33.835

■ 81, 51.792, 33.835

■ 91, 51.792, 33.835

■ 21, 51.792, 33.835

■ 21, 51.792, 33.835

21, 51.744, 33.908

22, 47.792, 31.608

23, 42.828, 27.722

25, 37.406, 24.341

27, 31.723, 21.579

30, 25.958, 19.380

33, 20.269, 17.638

36, 14.774, 16.252

39, 9.547, 15.132

43, 4.620, 14.193

Harmonies

Complementary

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



21, 51.792, 33.835



41, 28.384, 186.553

Rectangle

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



21, 51.792, 33.835



21, 51.792, 83.835



21, 51.792, 213.835



21, 51.792, 263.835

Sweetspot

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



21, 51.744, 33.908



46, 18.247, 16.350



23, 61.999, 325.138



22, 12.664, 16.766



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



21, 51.744, 33.908



28, 63.791, 36.163



27, 46.040, 55.678



21, 2.555, 14.099



23, 55.126, 34.727



51, 98.538, 37.856

Inverse Universe

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



21, 51.744, 33.908



28, 63.791, 36.163



26, 31.272, 271.942



21, 2.555, 14.099



23, 55.126, 34.727



51, 98.538, 37.856

Previews

White Background



This preview shows how the CIE LCh color 21, 51.792, 33.835 looks on a white background.

Color Contrast Check

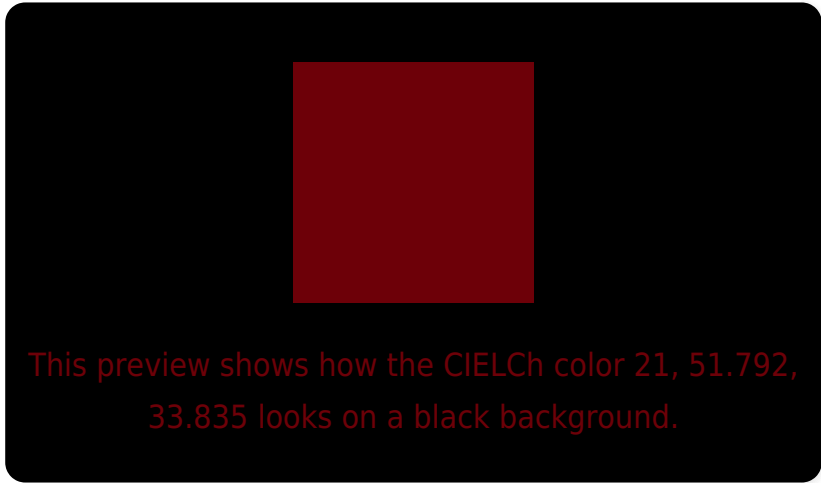
Large Text (above 18pt) WCAG AA ✓ Pass

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

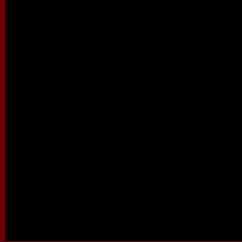
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 51.792, 33.835

Background



This preview shows how black text looks on a background with the CIELCh color 21, 51.792, 33.835.



This preview shows how white text looks on a background with the CIELCh color 21, 51.792, 33.835.

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

21, 51.792, 33.835

Protanopia

23, 24.265, 97.020

Deuteranopia

23, 31.768, 85.928



Tritanopia
22, 51.754, 39.017

Trichromacy



Original Color
21, 51.792, 33.835

Protanomaly
19, 29.206, 50.668

Deuteranomaly
20, 35.232, 52.298

Tritanomaly
21, 51.586, 36.989

Monochromacy



Original Color
21, 51.792, 33.835

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 21.441, 21.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 51.792, 33.835 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(109, 0, 8)` looks like.

```
.text, #text, p{  
    color:rgb(109, 0, 8)  
}
```

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(109, 0, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 0, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 51.792, 33.835 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(109, 0, 8) }
```

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

```
.border{ border-color:rgb(109, 0, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 0, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 0, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(109, 0, 8); box-shadow:4px  
4px 4px 4px rgb(109, 0, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 51.792, 33.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 0, 8) }
```

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

```
.background{ background-color: rgb(109, 0,  
8) }
```

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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