

Converting Colors

CIELCh(22, 50.545, 35.673)

Have a look what the booklet for
CIELCh(22, 50.545, 35.673) contains.

CIELCh(22, 50.741, 35.601)	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(22, 50.741, 35.601)

Conversions

Conversions Part 1

Format	Color
Hex	6E0909
RGB	110, 9, 9
RGB Percent	43%, 4%, 4%
CMY	0.5692, 0.9655, 0.9653
CMYK	0.00, 0.92, 0.92, 0.57
HSL	360°, 85%, 23%
HSV	360°, 92%, 43%
XYZ	6.5555, 3.5154, 0.5868
YIQ	39.1990, 60.1960, 21.4120

Conversions

Conversions Part 2

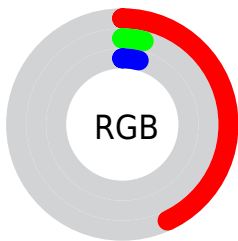
Format	Color
R_{YB}	110, 9, 9
Decimal	7211273
CIE Lab	22.00, 41.26, 29.54
CIE LCh	22, 50.741, 35.601
Yxy	3.5154, 0.6151, 0.3298
Android (android.graphics.Color)	4285401353 (0xFF6E0909)
YUV	39.1990, -14.8881, 62.0925
Hunter-Lab	18.7494, 29.5991, 11.2691

Details

The CIELCh color **22, 50.741, 35.601** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **42, 26.350, 196.392**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 50.545, 35.489**, and **7, 29.200, 22.589** is the 20% darker color. If you saturate the color by 10%, you get **21, 53.835, 36.854**, and if you desaturate by 10%, it is **23, 46.039, 33.046**.

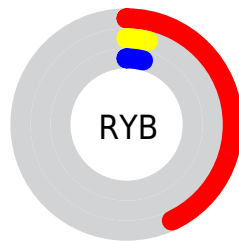
Distribution



Red (43%)

Green (4%)

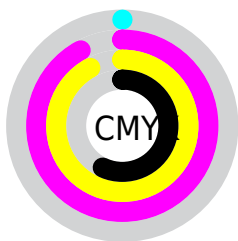
Blue (4%)



Red (43%)

Yellow (4%)

Blue (4%)

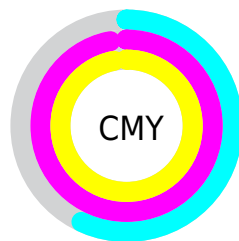


Cyan (0%)

Magenta (92%)

Yellow (92%)

Black (57%)



Cyan (57%)

Magenta (97%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 50.741, 35.601 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 22, 50.741, 35.601 by changing the saturation by 10% instead.

■ 22, 50.741, 35.601

■ 22, 50.741, 35.601

■ 100, 50.741,
35.601

■ 12, 50.741, 35.601

■ 42, 50.741, 35.601

■ 2, 50.741, 35.601

■ 52, 50.741, 35.601

■ 0, 50.741, 35.601

■ 62, 50.741, 35.601

■ 72, 50.741, 35.601

■ 82, 50.741, 35.601

■ 92, 50.741, 35.601

■ 22, 50.741, 35.601

■ 22, 50.741, 35.601

21, 53.835, 36.854

23, 46.039, 33.046

25, 40.169, 29.831

27, 34.039, 27.112

30, 27.881, 24.934

32, 21.866, 23.231

36, 16.111, 21.907

39, 10.684, 20.874

42, 5.614, 20.047

46, 0.900, 19.088

Harmonies

Complementary

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



22, 50.741, 35.601



42, 26.350, 196.392

Rectangle

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



22, 50.741, 35.601



22, 50.741, 85.601



22, 50.741, 215.601



22, 50.741, 265.601

Sweetspot

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



22, 50.739, 35.603



48, 17.284, 21.544



25, 60.201, 327.527



22, 11.988, 21.913



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



22, 50.739, 35.603



29, 67.077, 39.144



30, 41.912, 62.110



22, 2.649, 19.823



24, 57.989, 37.773



52, 102.172, 39.988

Inverse Universe

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



22, 50.739, 35.603



29, 67.077, 39.144



25, 33.074, 276.852



22, 2.649, 19.823



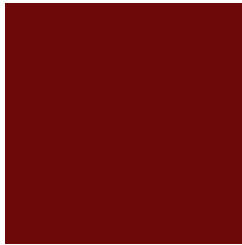
24, 57.989, 37.773



52, 102.172, 39.988

Previews

White Background



This preview shows how the CIE LCh color 22, 50.741, 35.601 looks on a white background.

Color Contrast Check

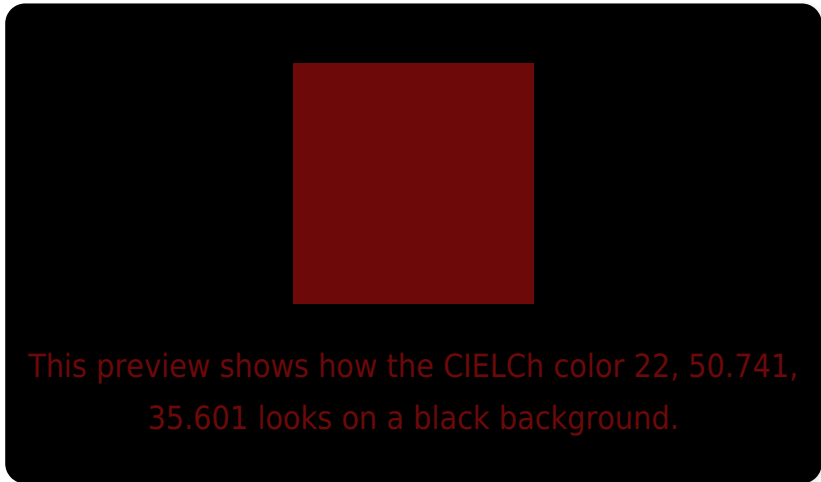
Large Text (above 18pt) WCAG AA ✓ Pass

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 22, 50.741, 35.601

Background



This preview shows how black text looks on a background with the CIELCh color 22, 50.741, 35.601.



This preview shows how white text looks on a background with the CIELCh color 22, 50.741, 35.601.

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

22, 50.741, 35.601

Protanopia

23, 24.244, 97.110

Deuteranopia

23, 32.248, 86.186



Tritanopia
22, 52.629, 39.129

Trichromacy



Original Color
22, 50.741, 35.601

Protanomaly
21, 28.713, 54.758

Deuteranomaly
21, 35.169, 56.028

Tritanomaly
22, 51.936, 38.056

Monochromacy



Original Color
22, 50.741, 35.601

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 19.806, 25.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 50.741, 35.601 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(110, 9, 9)` looks like.

```
.text, #text, p{  
    color:rgb(110, 9, 9)  
}
```

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(110, 9, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 9, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 50.741, 35.601 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(110, 9, 9) }
```

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

```
.border{ border-color:rgb(110, 9, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 9, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 9, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(110, 9, 9); box-shadow:4px  
4px 4px 4px rgb(110, 9, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 50.741, 35.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 9, 9) }
```

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

```
.background{ background-color: rgb(110, 9,  
9) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor