

Converting Colors

CIELCh(22, 46.085, 33.452)

Have a look what the booklet for
CIELCh(22, 46.085, 33.452) contains.

CIELCh(22, 45.958, 33.248)	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, 45.958, 33.248)

Conversions

Conversions Part 1

Format	Color
Hex	6A1011
RGB	106, 16, 17
RGB Percent	42%, 6%, 7%
CMY	0.5827, 0.9354, 0.9321
CMYK	0.00, 0.85, 0.84, 0.58
HSL	359°, 73%, 24%
HSV	359°, 85%, 42%
XYZ	6.2886, 3.5154, 0.8903
YIQ	43.0240, 53.3190, 19.3910

Conversions

Conversions Part 2

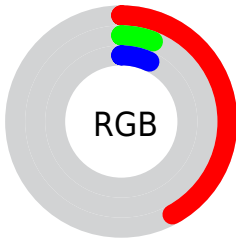
Format	Color
RYB	106, 16, 17
Decimal	6950929
CIELab	22.00, 38.43, 25.20
CIELCh	22, 45.958, 33.248
Yxy	3.5154, 0.5880, 0.3287
Android (android.graphics.Color)	4285141009 (0xFF6A1011)
YUV	43.0240, -12.8298, 55.2300
Hunter-Lab	18.7494, 27.0575, 10.3094

Details

The CIELCh color **22, 45.958, 33.248** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **40, 25.216, 195.334**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 45.848, 33.586**, and **7, 27.609, 21.332** is the 20% darker color. If you saturate the color by 10%, you get **21, 50.110, 35.370**, and if you desaturate by 10%, it is **24, 40.403, 29.942**.

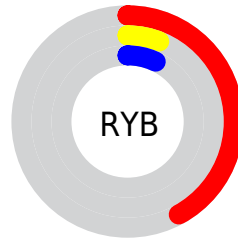
Distribution



Red (42%)

Green (6%)

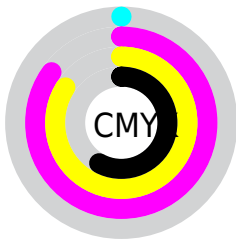
Blue (7%)



Red (42%)

Yellow (6%)

Blue (7%)

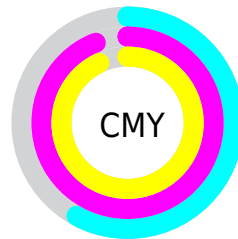


Cyan (0%)

Magenta (85%)

Yellow (84%)

Black (58%)



Cyan (58%)

Magenta (94%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 45.958, 33.248 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, 45.958, 33.248 by changing the saturation by 10% instead.

 22, 45.958, 33.248

 22, 45.958, 33.248

 100, 45.958,
33.248

 12, 45.958, 33.248

 42, 45.958, 33.248

 2, 45.958, 33.248

 52, 45.958, 33.248

 0, 45.958, 33.248

 62, 45.958, 33.248

 72, 45.958, 33.248

 82, 45.958, 33.248

 92, 45.958, 33.248

 22, 45.958, 33.248

 22, 45.958, 33.248

■ 21, 50.110, 35.370

■ 24, 40.403, 29.942

■ 20, 52.175, 36.132

■ 26, 34.522, 27.079

■ 28, 28.560, 24.767

■ 31, 22.692, 22.948

■ 34, 17.043, 21.528

■ 37, 11.692, 20.417

■ 40, 6.676, 19.531

■ 43, 2.002, 18.726

■ 47, 2.344, 198.503

Harmonies

Complementary

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



22, 45.958, 33.248



40, 25.216, 195.334

Rectangle

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



22, 45.958, 33.248



22, 45.958, 83.248



22, 45.958, 213.248



22, 45.958, 263.248

Sweetspot

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



22, 45.956, 33.250



47, 14.794, 20.533



25, 56.707, 327.435



22, 10.108, 20.797



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



22, 45.956, 33.250



28, 64.821, 38.564



30, 37.726, 63.466



21, 2.546, 19.099



23, 56.706, 37.216



51, 101.013, 39.729

Inverse Universe

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



22, 45.956, 33.250



28, 64.821, 38.564



26, 29.749, 273.597



21, 2.546, 19.099



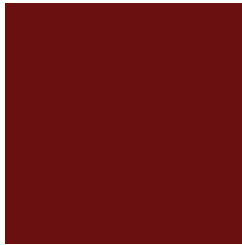
23, 56.706, 37.216



51, 101.013, 39.729

Previews

White Background



This preview shows how the CIE LCh color 22, 45.958, 33.248 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



This preview shows how the CIE LCh color 22, 45.958, 33.248 looks on a 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, 45.958, 33.248

Background



This preview shows how black text looks on a background with the CIELCh color 22, 45.958, 33.248.

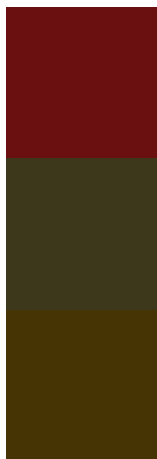


This preview shows how white text looks on a background with the CIELCh color 22, 45.958, 33.248.

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, 45.958, 33.248

Protanopia

23, 18.511, 96.166

Deuteranopia

23, 30.016, 84.176



Tritanopia
22, 46.046, 34.185

Trichromacy



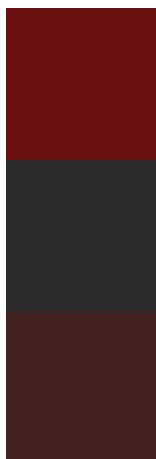
Original Color
22, 45.958, 33.248

Protanomaly
21, 24.520, 51.221

Deuteranomaly
21, 32.620, 56.074

Tritanomaly
22, 46.046, 34.185

Monochromacy



Original Color
22, 45.958, 33.248

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 17.171, 21.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 45.958, 33.248 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(106, 16, 17)` looks like.

```
.text, #text, p{  
    color:rgb(106, 16, 17)  
}
```

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(106, 16, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 16, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 45.958, 33.248 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(106, 16, 17) }
```

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

```
.border{ border-color:rgb(106, 16, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 16, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 16, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 16, 17);  
box-shadow:4px 4px 4px 4px rgb(106, 16,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 45.958, 33.248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 16, 17) }
```

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

```
.background{ background-color: rgb(106, 16,  
17) }
```

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