

Converting Colors

CIELCh(22, 46.465, 355.016)

Have a look what the booklet for
CIELCh(22, 46.465, 355.016)
contains.

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Color

CIELCh(22, 46.195, 355.398)

Conversions

Conversions Part 1

Format	Color
Hex	6C003C
RGB	108, 0, 60
RGB Percent	42%, 0%, 24%
CMY	0.5749, 1.0000, 0.7667
CMYK	0.00, 1.00, 0.45, 0.57
HSL	327°, 100%, 21%
HSV	327°, 100%, 43%
XYZ	7.0257, 3.5154, 4.5147
YIQ	39.1320, 45.1080, 41.5560

Conversions

Conversions Part 2

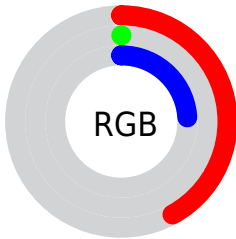
Format	Color
RYB	108, 0, 60
Decimal	7077948
CIELab	22.00, 46.05, -3.71
CIElCh	22, 46.195, 355.398
Yxy	3.5154, 0.4666, 0.2335
Android (android.graphics.Color)	4285268028 (0xFF6C003C)
YUV	39.1320, 10.2879, 60.3972
Hunter-Lab	18.7494, 34.0749, -1.1520

Details

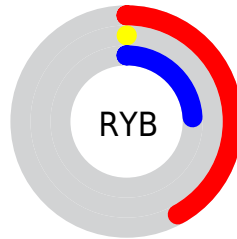
The CIELCh color **22, 46.195, 355.398** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **40, 48.550, 148.020**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 46.213, 355.138**, and **8, 29.077, 9.641** is the 20% darker color. If you saturate the color by 10%, you get **22, 45.993, 355.501**, and if you desaturate by 10%, it is **23, 44.307, 352.897**.

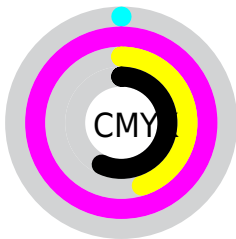
Distribution



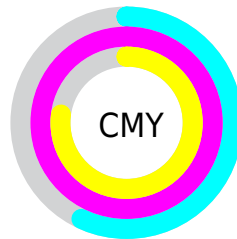
- Red (42%)
- Green (0%)
- Blue (24%)



- Red (42%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (57%)




- Cyan (57%)
- Magenta (100%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 46.195, 355.398 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, 46.195, 355.398 by changing the saturation by 10% instead.

 22, 46.195,
355.398


 22, 46.195,
355.398

 100, 46.195,
355.398

 12, 46.195,
355.398


 42, 46.195,
355.398


 2, 46.195, 355.398

 52, 46.195,
355.398

 0, 46.195, 355.398

 62, 46.195,
355.398

 72, 46.195,
355.398

 82, 46.195,
355.398

 92, 46.195,

355.398

■ 22, 46.195,
355.398

■ 22, 46.195,
355.398

■ 22, 45.993,
355.501

■ 23, 44.307,
352.897

■ 24, 42.037,
350.532

■ 26, 38.582,
348.620

■ 28, 34.147,
347.046

■ 31, 28.999,
345.719

■ 33, 23.398,
344.574

■ 36, 17.561,
343.563

■ 39, 11.649,
342.654

■ 43, 5.774, 341.813

Harmonies

Complementary

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



22, 46.195, 355.398



40, 48.550, 148.020

Rectangle

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



22, 46.195, 355.398



22, 46.195, 45.398



22, 46.195, 175.398



22, 46.195, 225.398

Sweetspot

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



22, 45.993, 355.501



47, 21.699, 343.640



14, 66.810, 311.366



22, 14.925, 343.952



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, 45.993, 355.501



30, 55.118, 356.533



21, 52.071, 34.729



21, 3.209, 341.726



24, 48.584, 355.839



53, 82.921, 358.159

Inverse Universe

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



22, 45.993, 355.501



30, 55.118, 356.533



41, 27.768, 189.342



21, 3.209, 341.726



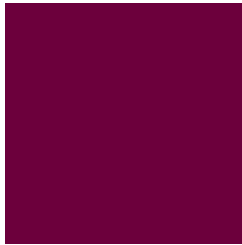
24, 48.584, 355.839



53, 82.921, 358.159

Previews

White Background



This preview shows how the CIE LCh color 22, 46.195, 355.398 looks on a white background.

Color Contrast Check

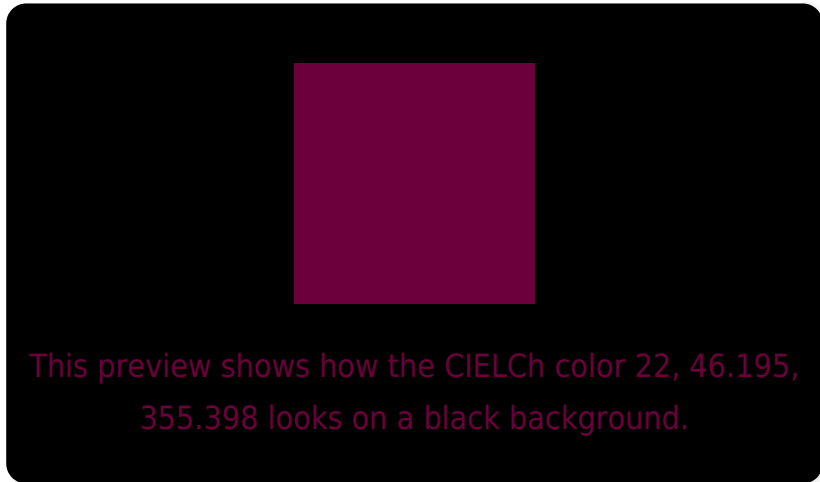
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.195, 355.398

Background



This preview shows how black text looks on a background with the CIELCh color 22, 46.195, 355.398.



This preview shows how white text looks on a background with the CIELCh color 22, 46.195, 355.398.

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, 45.986, 354.926

Protanopia

24, 20.050, 284.183

Deuteranopia

24, 3.745, 20.060



Tritanopia
23, 42.566, 31.525

Trichromacy



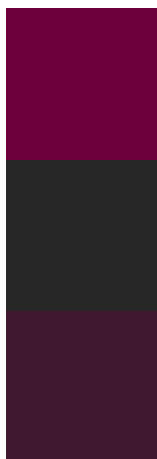
Original Color
22, 45.986, 354.926

Protanomaly
20, 29.590, 321.608

Deuteranomaly
21, 24.433, 349.872

Tritanomaly
23, 42.339, 17.523

Monochromacy



Original Color
22, 45.986, 354.926

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 22.459, 347.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 46.195, 355.398 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(108, 0, 60)` looks like.

```
.text, #text, p{  
    color:rgb(108, 0, 60)  
}
```

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(108, 0, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 0, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 46.195, 355.398 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(108, 0, 60) }
```

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

```
.border{ border-color:rgb(108, 0, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 0, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 0, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 0, 60);  
box-shadow:4px 4px 4px 4px rgb(108, 0, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 46.195, 355.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 0, 60) }
```

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

```
.background{ background-color: rgb(108, 0,  
60) }
```

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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