

Converting Colors

CIELCh(20, 44.788, 27.418)

Have a look what the booklet for
CIELCh(20, 44.788, 27.418) contains.

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Color

CIELCh(20, 44.891, 27.102)

Conversions

Conversions Part 1

Format	Color
Hex	660615
RGB	102, 6, 21
RGB Percent	40%, 2%, 8%
CMY	0.6009, 0.9776, 0.9183
CMYK	0.00, 0.94, 0.80, 0.60
HSL	351°, 89%, 21%
HSV	351°, 94%, 40%
XYZ	5.6497, 2.9891, 0.9811
YIQ	36.4140, 52.4010, 25.0170

Conversions

Conversions Part 2

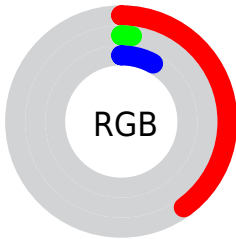
Format	Color
R_YB	102, 6, 21
Decimal	6686229
CIE Lab	20.00, 39.96, 20.45
CIE LCh	20, 44.891, 27.102
Yxy	2.9891, 0.5873, 0.3107
Android (android.graphics.Color)	4284876309 (0xFF660615)
YUV	36.4140, -7.5991, 57.5189
Hunter-Lab	17.2889, 28.0756, 8.7377

Details

The CIELCh color **20, 44.891, 27.102** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **38, 28.944, 177.068**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 44.940, 27.282**, and **6, 26.393, 19.761** is the 20% darker color. If you saturate the color by 10%, you get **19, 47.117, 28.923**, and if you desaturate by 10%, it is **21, 40.901, 22.853**.

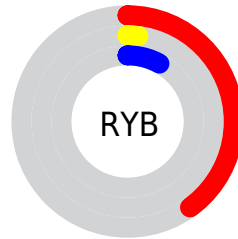
Distribution



Red (40%)

Green (2%)

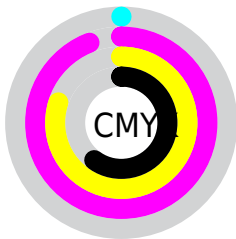
Blue (8%)



Red (40%)

Yellow (2%)

Blue (8%)

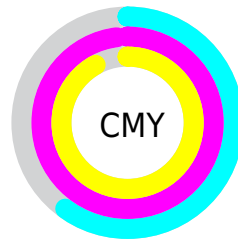


Cyan (0%)

Magenta (94%)

Yellow (80%)

Black (60%)



Cyan (60%)

Magenta (98%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 44.891, 27.102 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, 44.891, 27.102 by changing the saturation by 10% instead.

 20, 44.891, 27.102

 20, 44.891, 27.102

 100, 44.891,
27.102

 10, 44.891, 27.102

 0, 44.891, 27.102

 40, 44.891, 27.102

 50, 44.891, 27.102

 60, 44.891, 27.102

 70, 44.891, 27.102

 80, 44.891, 27.102

 90, 44.891, 27.102

 20, 44.891, 27.102

 20, 44.891, 27.102

19, 47.117, 28.923

21, 40.901, 22.853

23, 36.502, 19.130

25, 31.684, 16.098

27, 26.597, 13.670

30, 21.410, 11.723

32, 16.265, 10.148

35, 11.266, 8.853

39, 6.474, 7.761

42, 1.920, 6.738

Harmonies

Complementary

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



20, 44.891, 27.102



38, 28.944, 177.068

Rectangle

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



20, 44.891, 27.102



20, 44.891, 77.102



20, 44.891, 207.102



20, 44.891, 257.102

Sweetspot

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



20, 44.889, 27.104



44, 16.254, 9.397



20, 57.924, 322.285



21, 11.212, 9.808



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



20, 44.889, 27.104



27, 57.938, 30.899



24, 42.498, 50.143



19, 2.495, 7.217



23, 51.801, 30.013



51, 92.823, 33.383

Inverse Universe

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



20, 44.889, 27.104



27, 57.938, 30.899



28, 24.567, 256.705



19, 2.495, 7.217



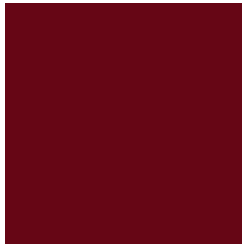
23, 51.801, 30.013



51, 92.823, 33.383

Previews

White Background



This preview shows how the CIELCh color 20, 44.891, 27.102 looks on a white background.

Color Contrast Check

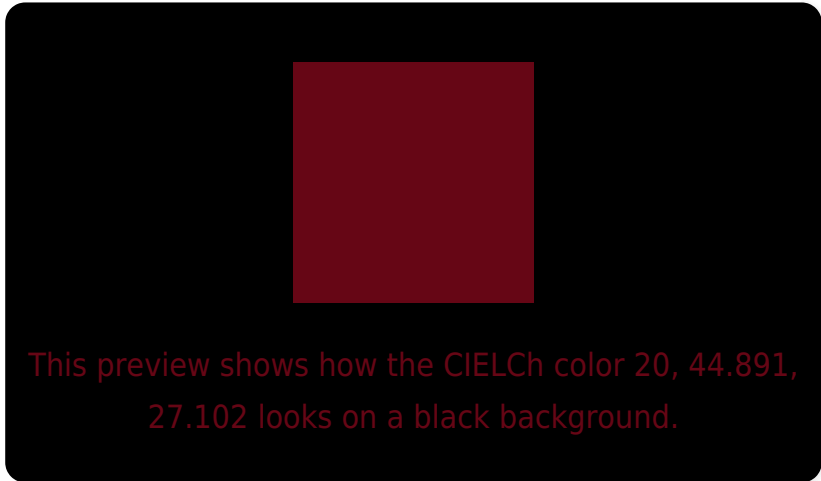
Large Text (above 18pt) WCAG AA ✓ Pass

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, 44.891, 27.102

Background



This preview shows how black text looks on a background with the CIELCh color 20, 44.891, 27.102.



This preview shows how white text looks on a background with the CIELCh color 20, 44.891, 27.102.

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, 44.891, 27.102

Protanopia

22, 13.440, 98.169

Deuteranopia

21, 24.400, 83.313



Tritanopia
20, 47.764, 36.297

Trichromacy



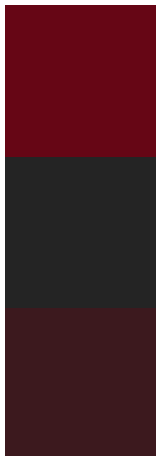
Original Color
20, 44.891, 27.102

Protanomaly
19, 21.458, 36.626

Deuteranomaly
19, 28.887, 46.643

Tritanomaly
20, 47.016, 33.694

Monochromacy



Original Color
20, 44.891, 27.102

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 18.403, 14.656

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 44.891, 27.102 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(102, 6, 21)` looks like.

```
.text, #text, p{  
    color:rgb(102, 6, 21)  
}
```

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(102, 6, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 6, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 44.891, 27.102 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(102, 6, 21) }
```

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

```
.border{ border-color:rgb(102, 6, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 6, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 6, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 6, 21);  
box-shadow:4px 4px 4px 4px rgb(102, 6, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 44.891, 27.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 6, 21) }
```

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

```
.background{ background-color: rgb(102, 6,  
21) }
```

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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