

Converting Colors

CIELCh(20, 46.830, 27.974)

Have a look what the booklet for
CIELCh(20, 46.830, 27.974) contains.

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Color

CIELCh(20, 46.532, 27.766)

Conversions

Conversions Part 1

Format	Color
Hex	670213
RGB	103, 2, 19
RGB Percent	40%, 1%, 7%
CMY	0.5954, 0.9913, 0.9250
CMYK	0.00, 0.98, 0.81, 0.60
HSL	350°, 96%, 21%
HSV	350°, 98%, 40%
XYZ	5.7557, 2.9891, 0.8953
YIQ	34.1370, 54.7390, 26.6990

Conversions

Conversions Part 2

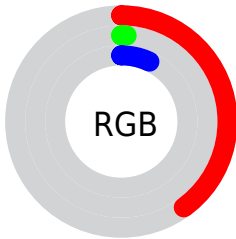
Format	Color
R_{YB}	103, 2, 19
Decimal	6750739
CIE _{Lab}	20.00, 41.17, 21.68
CIE _{LCh}	20, 46.532, 27.766
Yxy	2.9891, 0.5971, 0.3101
Android (android.graphics.Color)	4284940819 (0xFF670213)
YUV	34.1370, -7.4625, 60.3929
Hunter-Lab	17.2889, 29.1696, 9.0320

Details

The CIELCh color **20, 46.532, 27.766** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **39, 30.052, 175.533**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 46.432, 27.680**, and **6, 26.978, 20.143** is the 20% darker color. If you saturate the color by 10%, you get **20, 47.385, 28.436**, and if you desaturate by 10%, it is **21, 42.576, 23.602**.

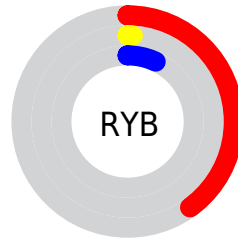
Distribution



Red (40%)

Green (1%)

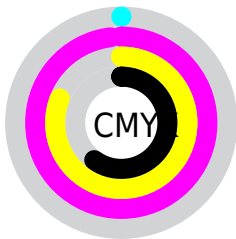
Blue (7%)



Red (40%)

Yellow (1%)

Blue (7%)

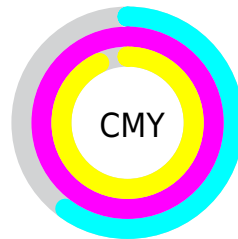


Cyan (0%)

Magenta (98%)

Yellow (81%)

Black (60%)



Cyan (60%)

Magenta (99%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 46.532, 27.766 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, 46.532, 27.766 by changing the saturation by 10% instead.

 20, 46.532, 27.766

 20, 46.532, 27.766

 100, 46.532,
27.766

 10, 46.532, 27.766

 40, 46.532, 27.766

 0, 46.532, 27.766

 50, 46.532, 27.766

 60, 46.532, 27.766

 70, 46.532, 27.766

 80, 46.532, 27.766

 90, 46.532, 27.766

 20, 46.532, 27.766

 20, 46.532, 27.766

20, 47.385, 28.436

21, 42.576, 23.602

22, 38.378, 19.615

24, 33.702, 16.340

27, 28.677, 13.710

29, 23.477, 11.605

32, 18.260, 9.907

35, 13.148, 8.517

38, 8.222, 7.355

41, 3.522, 6.335

Harmonies

Complementary

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



20, 46.532, 27.766



39, 30.052, 175.533

Rectangle

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



20, 46.532, 27.766



20, 46.532, 77.766



20, 46.532, 207.766



20, 46.532, 257.766

Sweetspot

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



20, 46.530, 27.768



45, 17.169, 8.774



20, 59.670, 321.667



21, 11.957, 9.204



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



20, 46.530, 27.768



27, 58.422, 30.304



24, 44.812, 48.746



19, 2.502, 6.442



23, 51.484, 29.315



51, 92.202, 32.734

Inverse Universe

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



20, 46.530, 27.768



27, 58.422, 30.304



28, 24.824, 255.287



19, 2.502, 6.442



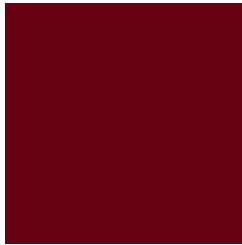
23, 51.484, 29.315



51, 92.202, 32.734

Previews

White Background



This preview shows how the CIELCh color 20, 46.532, 27.766 looks on a white background.

Color Contrast Check

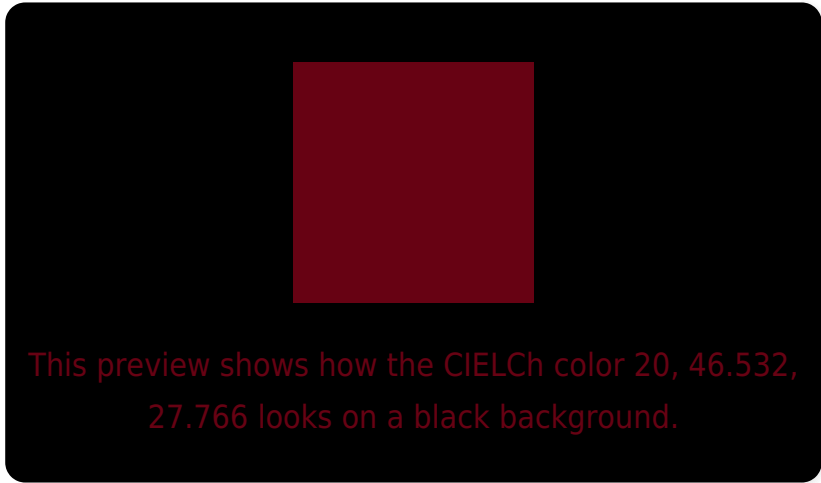
Large Text (above 18pt) WCAG AA ✓ Pass

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

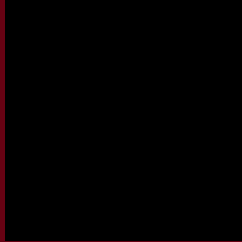
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 46.532, 27.766

Background



This preview shows how black text looks on a background with the CIELCh color 20, 46.532, 27.766.



This preview shows how white text looks on a background with the CIELCh color 20, 46.532, 27.766.

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, 46.532, 27.766

Protanopia

22, 14.808, 96.556

Deuteranopia

22, 26.640, 84.668



Tritanopia
20, 49.671, 38.453

Trichromacy



Original Color
20, 46.532, 27.766

Protanomaly
19, 22.923, 37.782

Deuteranomaly
19, 30.890, 48.198

Tritanomaly
20, 48.421, 35.202

Monochromacy



Original Color
20, 46.532, 27.766

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 19.514, 11.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 46.532, 27.766 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(103, 2, 19)` looks like.

```
.text, #text, p{  
    color:rgb(103, 2, 19)  
}
```

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(103, 2, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 2, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 46.532, 27.766 is called "border". The border property can be set on classes, ids or directly on the HTML element.

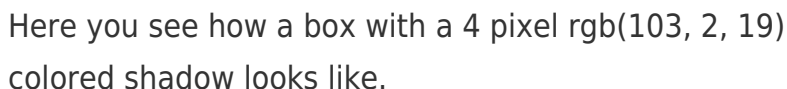
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 2, 19) }
```

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

```
.border{ border-color:rgb(103, 2, 19) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 2, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 2, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 2, 19);  
box-shadow:4px 4px 4px 4px rgb(103, 2, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 46.532, 27.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 2, 19) }
```

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

```
.background{ background-color: rgb(103, 2,  
19) }
```

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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