

Converting Colors

CIELCh(20, 50.204, 36.501)

Have a look what the booklet for
CIELCh(20, 50.204, 36.501) contains.

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Color

CIELCh(20, 49.916, 36.380)

Conversions

Conversions Part 1

Format	Color
Hex	670402
RGB	103, 4, 2
RGB Percent	40%, 2%, 1%
CMY	0.5955, 0.9835, 0.9914
CMYK	0.00, 0.96, 0.98, 0.60
HSL	1°, 96%, 21%
HSV	1°, 98%, 40%
XYZ	5.6694, 2.9891, 0.3409
YIQ	33.3730, 59.6460, 20.3660

Conversions

Conversions Part 2

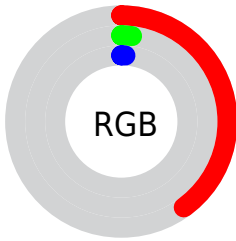
Format	Color
R_YB	103, 4, 2
Decimal	6751234
CIE Lab	20.00, 40.19, 29.61
CIE LCh	20, 49.916, 36.380
Yxy	2.9891, 0.6300, 0.3321
Android (android.graphics.Color)	4284941314 (0xFF670402)
YUV	33.3730, -15.4669, 61.0629
Hunter-Lab	17.2889, 28.2781, 10.9332

Details

The CIELCh color **20, 49.916, 36.380** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **38, 24.941, 199.371**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 49.930, 36.399**, and **6, 26.393, 19.761** is the 20% darker color. If you saturate the color by 10%, you get **20, 50.696, 36.652**, and if you desaturate by 10%, it is **21, 46.187, 34.919**.

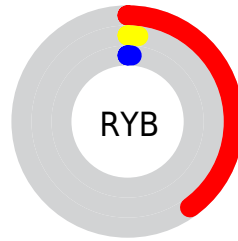
Distribution



Red (40%)

Green (2%)

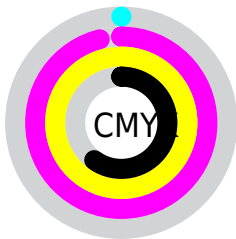
Blue (1%)



Red (40%)

Yellow (2%)

Blue (1%)

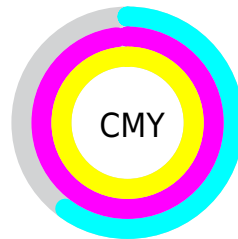


Cyan (0%)

Magenta (96%)

Yellow (98%)

Black (60%)



Cyan (60%)

Magenta (98%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 49.916, 36.380 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, 49.916, 36.380 by changing the saturation by 10% instead.

 20, 49.916, 36.380

 20, 49.916, 36.380

 100, 49.916,
36.380

 10, 49.916, 36.380

 0, 49.916, 36.380

 40, 49.916, 36.380

 50, 49.916, 36.380

 60, 49.916, 36.380

 70, 49.916, 36.380

 80, 49.916, 36.380

 90, 49.916, 36.380

 20, 49.916, 36.380

 20, 49.916, 36.380

20, 50.696, 36.652

21, 46.187, 34.919

22, 41.060, 32.304

24, 35.295, 29.540

27, 29.442, 27.266

29, 23.681, 25.466

32, 18.135, 24.065

35, 12.883, 22.979

38, 7.963, 22.129

41, 3.381, 21.426

Harmonies

Complementary

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



20, 49.916, 36.380



38, 24.941, 199.371

Rectangle

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



20, 49.916, 36.380



20, 49.916, 86.380



20, 49.916, 216.380



20, 49.916, 266.380

Sweetspot

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



20, 49.914, 36.382



45, 16.848, 23.171



23, 58.189, 328.829



21, 11.784, 23.503



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, 49.914, 36.382



27, 63.852, 39.165



28, 41.936, 64.225



19, 2.395, 21.497



23, 55.604, 37.820



51, 100.344, 40.151

Inverse Universe

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



38, 24.941, 199.371



50, 30.416, 199.490



21, 35.561, 282.264



21, 2.271, 200.809



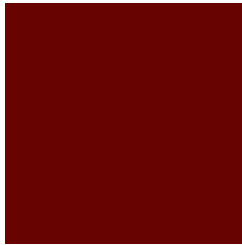
43, 27.053, 199.437



86, 46.840, 199.629

Previews

White Background



This preview shows how the CIELCh color 20, 49.916, 36.380 looks on a white background.

Color Contrast Check

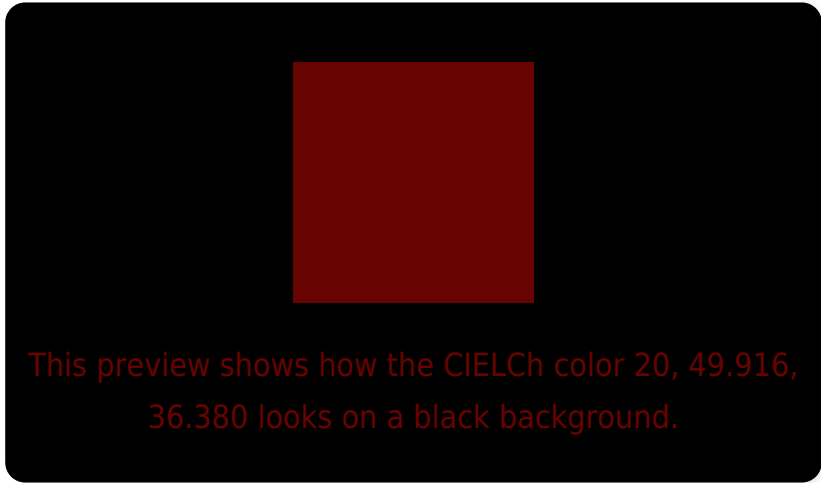
Large Text (above 18pt) WCAG AA ✓ Pass

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, 49.916, 36.380

Background



This preview shows how black text looks on a background with the CIELCh color 20, 49.916, 36.380.



This preview shows how white text looks on a background with the CIELCh color 20, 49.916, 36.380.

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, 49.916, 36.380

Protanopia

22, 24.395, 95.457

Deuteranopia

22, 30.575, 86.366



Tritanopia
20, 49.671, 38.453

Trichromacy



Original Color
20, 49.916, 36.380

Protanomaly
19, 29.040, 54.447

Deuteranomaly
19, 34.370, 54.245

Tritanomaly
20, 49.714, 37.550

Monochromacy



Original Color
20, 49.916, 36.380

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 19.934, 27.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 49.916, 36.380 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, 4, 2)` looks like.

```
.text, #text, p{  
    color:rgb(103, 4, 2)  
}
```

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, 4, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 20, 49.916, 36.380 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, 4, 2) }
```

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

```
.border{ border-color:rgb(103, 4, 2) }
```

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 20, 49.916, 36.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 4, 2) }
```

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

```
.background{ background-color: rgb(103, 4,  
2) }
```

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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