

Converting Colors

CIELCh(20, 46.496, 33.760)

Have a look what the booklet for
CIELCh(20, 46.496, 33.760) contains.

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Color

CIELCh(20, 46.428, 33.841)

Conversions

Conversions Part 1

Format	Color
Hex	65090B
RGB	101, 9, 11
RGB Percent	40%, 4%, 4%
CMY	0.6038, 0.9645, 0.9567
CMYK	0.00, 0.91, 0.89, 0.60
HSL	359°, 84%, 22%
HSV	359°, 91%, 40%
XYZ	5.5291, 2.9891, 0.6032
YIQ	36.7360, 54.1900, 20.1260

Conversions

Conversions Part 2

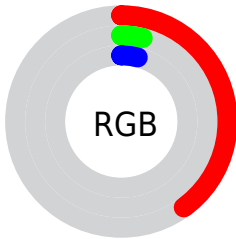
Format	Color
RYB	101, 9, 11
Decimal	6621451
CIELab	20.00, 38.56, 25.86
CIELCh	20, 46.428, 33.841
Yxy	2.9891, 0.6062, 0.3277
Android (android.graphics.Color)	4284811531 (0xFF65090B)
YUV	36.7360, -12.6878, 56.3595
Hunter-Lab	17.2889, 26.8296, 10.0337

Details

The CIELCh color **20, 46.428, 33.841** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **38, 25.050, 193.586**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 46.347, 33.932**, and **6, 25.787, 19.397** is the 20% darker color. If you saturate the color by 10%, you get **19, 49.630, 34.989**, and if you desaturate by 10%, it is **21, 41.947, 31.138**.

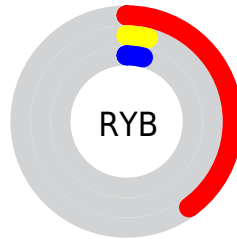
Distribution



Red (40%)

Green (4%)

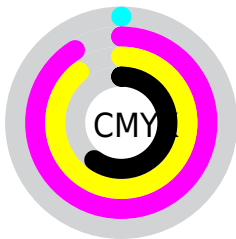
Blue (4%)



Red (40%)

Yellow (4%)

Blue (4%)

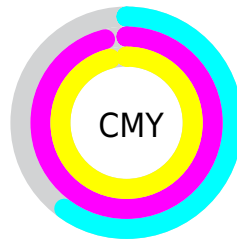


Cyan (0%)

Magenta (91%)

Yellow (89%)

Black (60%)



Cyan (60%)

Magenta (96%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 46.428, 33.841 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, 46.428, 33.841 by changing the saturation by 10% instead.

■ 20, 46.428, 33.841

■ 20, 46.428, 33.841

■ 100, 46.428,
33.841

■ 10, 46.428, 33.841

■ 0, 46.428, 33.841

■ 40, 46.428, 33.841

■ 50, 46.428, 33.841

■ 60, 46.428, 33.841

■ 70, 46.428, 33.841

■ 80, 46.428, 33.841

■ 90, 46.428, 33.841

■ 20, 46.428, 33.841

■ 20, 46.428, 33.841

19, 49.630, 34.989

21, 41.947, 31.138

23, 36.536, 27.929

25, 30.918, 25.264

27, 25.279, 23.137

30, 19.764, 21.464

33, 14.479, 20.151

36, 9.483, 19.111

39, 4.802, 18.262

42, 0.437, 16.913

Harmonies

Complementary

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



20, 46.428, 33.841



38, 25.050, 193.586

Rectangle

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



20, 46.428, 33.841



20, 46.428, 83.841



20, 46.428, 213.841



20, 46.428, 263.841

Sweetspot

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



20, 46.426, 33.843



45, 15.577, 19.789



23, 56.336, 326.922



21, 10.492, 20.041



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, 46.426, 33.843



27, 62.457, 37.808



27, 38.959, 61.032



19, 2.443, 18.095



22, 55.345, 36.506



51, 99.725, 39.370

Inverse Universe

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



20, 46.426, 33.843



27, 62.457, 37.808



24, 29.678, 274.168



19, 2.443, 18.095



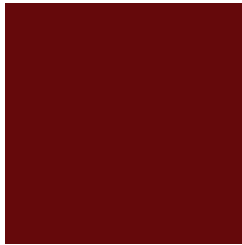
22, 55.345, 36.506



51, 99.725, 39.370

Previews

White Background



This preview shows how the CIE LCh color 20, 46.428, 33.841 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, 46.428, 33.841

Background



This preview shows how black text looks on a background with the CIELCh color 20, 46.428, 33.841.

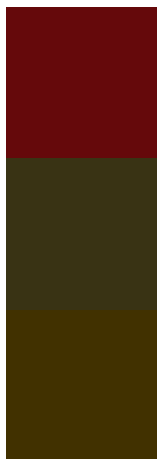


This preview shows how white text looks on a background with the CIELCh color 20, 46.428, 33.841.

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, 46.428, 33.841

Protanopia

21, 20.459, 96.209

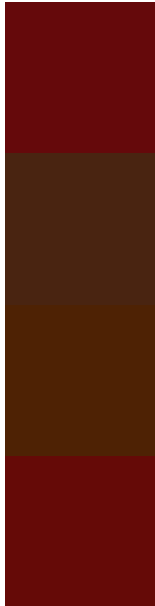
Deuteranopia

21, 30.071, 86.092



Tritanopia
20, 47.535, 36.611

Trichromacy



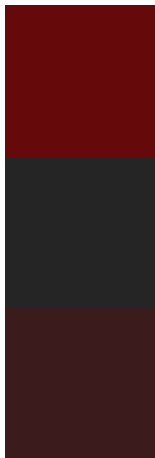
Original Color
20, 46.428, 33.841

Protanomaly
19, 25.479, 52.022

Deuteranomaly
19, 32.388, 54.798

Tritanomaly
20, 47.108, 35.797

Monochromacy



Original Color
20, 46.428, 33.841

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 17.613, 22.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 46.428, 33.841 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(101, 9, 11)` looks like.

```
.text, #text, p{  
    color:rgb(101, 9, 11)  
}
```

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(101, 9, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 9, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 46.428, 33.841 is called "border". The border property can be set on classes, ids or directly on the HTML element.

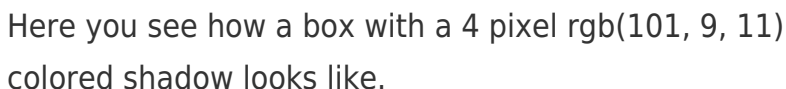
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(101, 9, 11) }
```

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

```
.border{ border-color:rgb(101, 9, 11) }
```

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



Here you see how a box with a 4 pixel `rgb(101, 9, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 9, 11); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 9, 11); box-shadow:4px 4px 4px 4px rgb(101, 9, 11) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 46.428, 33.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 9, 11) }
```

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

```
.background{ background-color: rgb(101, 9,  
11) }
```

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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