

Converting Colors

CIELCh(20, 46.935, 34.652)

Have a look what the booklet for
CIELCh(20, 46.935, 34.652) contains.

CIELCh(20, 46.838, 34.695)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(20, 46.838, 34.695)

Conversions

Conversions Part 1

Format	Color
Hex	650909
RGB	101, 9, 9
RGB Percent	40%, 4%, 4%
CMY	0.6036, 0.9642, 0.9643
CMYK	0.00, 0.91, 0.91, 0.60
HSL	0°, 83%, 22%
HSV	0°, 91%, 40%
XYZ	5.5246, 2.9891, 0.5469
YIQ	36.5080, 54.8320, 19.5040

Conversions

Conversions Part 2

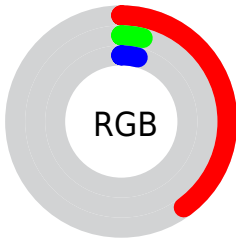
Format	Color
R_{YB}	101, 9, 9
Decimal	6621449
CIE Lab	20.00, 38.51, 26.66
CIE LCh	20, 46.838, 34.695
Yxy	2.9891, 0.6097, 0.3299
Android (android.graphics.Color)	4284811529 (0xFF650909)
YUV	36.5080, -13.5614, 56.5595
Hunter-Lab	17.2889, 26.7832, 10.2268

Details

The CIELCh color **20, 46.838, 34.695** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **38, 24.699, 196.505**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 46.622, 34.568**, and **6, 25.787, 19.397** is the 20% darker color. If you saturate the color by 10%, you get **19, 50.102, 35.849**, and if you desaturate by 10%, it is **21, 42.464, 32.483**.

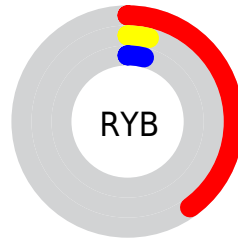
Distribution



Red (40%)

Green (4%)

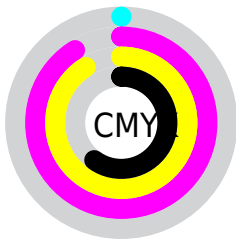
Blue (4%)



Red (40%)

Yellow (4%)

Blue (4%)

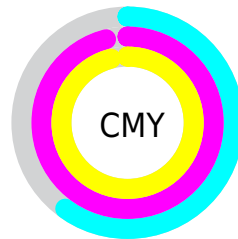


Cyan (0%)

Magenta (91%)

Yellow (91%)

Black (60%)



Cyan (60%)

Magenta (96%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 46.838, 34.695 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, 46.838, 34.695 by changing the saturation by 10% instead.

 20, 46.838, 34.695

 20, 46.838, 34.695

 100, 46.838,
34.695

 10, 46.838, 34.695

 40, 46.838, 34.695

 0, 46.838, 34.695

 50, 46.838, 34.695

 60, 46.838, 34.695

 70, 46.838, 34.695

 80, 46.838, 34.695

 90, 46.838, 34.695

 20, 46.838, 34.695

 20, 46.838, 34.695

19, 50.102, 35.849

21, 42.464, 32.483

23, 36.917, 29.377

25, 31.173, 26.777

27, 25.433, 24.702

30, 19.844, 23.077

33, 14.509, 21.813

36, 9.483, 20.822

39, 4.789, 20.022

42, 0.422, 18.692

Harmonies

Complementary

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



20, 46.838, 34.695



38, 24.699, 196.505

Rectangle

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



20, 46.838, 34.695



20, 46.838, 84.695



20, 46.838, 214.695



20, 46.838, 264.695

Sweetspot

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



20, 46.836, 34.697



45, 15.615, 21.470



23, 56.341, 328.100



21, 10.521, 21.711



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, 46.836, 34.697



27, 63.125, 38.664



28, 38.678, 63.906



19, 2.443, 19.868



22, 55.892, 37.358



51, 100.588, 40.002

Inverse Universe

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



38, 24.699, 196.505



50, 30.827, 196.429



23, 31.517, 277.854



21, 2.318, 199.065



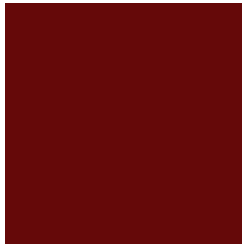
43, 27.786, 196.429



87, 48.185, 196.431

Previews

White Background



This preview shows how the CIELCh color 20, 46.838, 34.695 looks on a white background.

Color Contrast Check

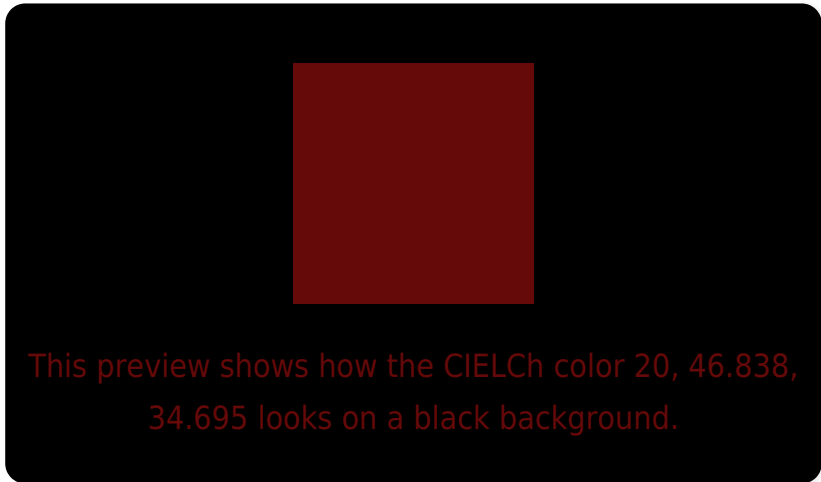
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.838, 34.695

Background



This preview shows how black text looks on a background with the CIELCh color 20, 46.838, 34.695.



This preview shows how white text looks on a background with the CIELCh color 20, 46.838, 34.695.

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, 46.838, 34.695

Protanopia

21, 21.612, 96.382

Deuteranopia

21, 30.071, 86.092



Tritanopia
20, 47.535, 36.611

Trichromacy



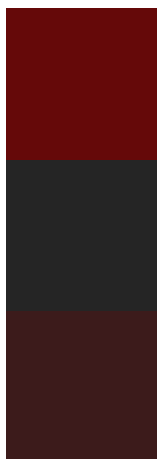
Original Color
20, 46.838, 34.695

Protanomaly
19, 26.265, 53.695

Deuteranomaly
19, 32.688, 55.261

Tritanomaly
20, 47.320, 36.206

Monochromacy



Original Color
20, 46.838, 34.695

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 17.775, 24.640

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 46.838, 34.695 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, 9)` looks like.

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

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, 9) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 20, 46.838, 34.695 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, 9) }
```

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

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

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, 9) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 20, 46.838, 34.695 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, 9) }
```

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

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

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor