

Converting Colors

CIELCh(20, 39.273, 30.828)

Have a look what the booklet for
CIELCh(20, 39.273, 30.828) contains.

CIELCh(20, 38.988, 30.755)	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, 38.988, 30.755)

Conversions

Conversions Part 1

Format	Color
Hex	5F1415
RGB	95, 20, 21
RGB Percent	37%, 8%, 8%
CMY	0.6274, 0.9215, 0.9176
CMYK	0.00, 0.79, 0.78, 0.63
HSL	359°, 65%, 23%
HSV	359°, 79%, 37%
XYZ	5.1072, 2.9891, 1.0179
YIQ	42.5390, 44.3790, 16.2110

Conversions

Conversions Part 2

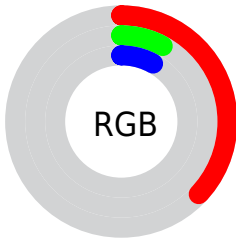
Format	Color
R_{YB}	95, 20, 21
Decimal	6231061
CIE Lab	20.00, 33.50, 19.94
CIE LCh	20, 38.988, 30.755
Yxy	2.9891, 0.5604, 0.3280
Android (android.graphics.Color)	4284421141 (0xFF5F1415)
YUV	42.5390, -10.6187, 46.0083
Hunter-Lab	17.2889, 22.4745, 8.6115

Details

The CIELCh color **20, 38.988, 30.755** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **36, 22.577, 195.004**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 38.871, 30.675**, and **5, 23.178, 19.104** is the 20% darker color. If you saturate the color by 10%, you get **19, 43.405, 33.232**, and if you desaturate by 10%, it is **22, 33.721, 27.741**.

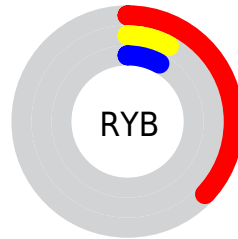
Distribution



Red (37%)

Green (8%)

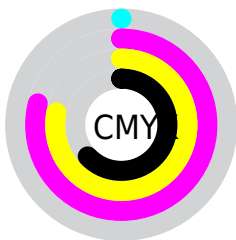
Blue (8%)



Red (37%)

Yellow (8%)

Blue (8%)

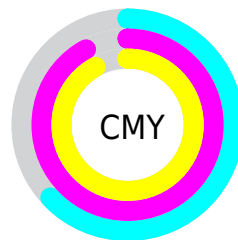


Cyan (0%)

Magenta (79%)

Yellow (78%)

Black (63%)



Cyan (63%)

Magenta (92%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 38.988, 30.755 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, 38.988, 30.755 by changing the saturation by 10% instead.

 20, 38.988, 30.755

 20, 38.988, 30.755

 100, 38.988,
30.755

 10, 38.988, 30.755

 0, 38.988, 30.755

 40, 38.988, 30.755

 50, 38.988, 30.755

 60, 38.988, 30.755

 70, 38.988, 30.755

 80, 38.988, 30.755

 90, 38.988, 30.755

 20, 38.988, 30.755

 20, 38.988, 30.755

■ 19, 43.405, 33.232

■ 22, 33.721, 27.741

■ 18, 46.843, 34.366

■ 24, 28.316, 25.261

■ 18, 47.219, 34.460

■ 26, 22.940, 23.290

■ 29, 17.719, 21.743

■ 32, 12.740, 20.529

■ 35, 8.049, 19.566

■ 38, 3.663, 18.766

■ 41, 0.424, 199.010

■ 44, 4.228, 197.843

Harmonies

Complementary

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



20, 38.988, 30.755



36, 22.577, 195.004

Rectangle

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



20, 38.988, 30.755



20, 38.988, 80.755



20, 38.988, 210.755



20, 38.988, 260.755

Sweetspot

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



20, 38.986, 30.757



42, 12.831, 20.097



23, 50.065, 327.313



20, 8.804, 20.334



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



20, 38.986, 30.757



25, 56.581, 36.537



28, 32.006, 64.444



18, 2.338, 18.764



22, 54.504, 36.592



50, 99.248, 39.606

Inverse Universe

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



20, 38.986, 30.757



25, 56.581, 36.537



24, 25.450, 270.987



18, 2.338, 18.764



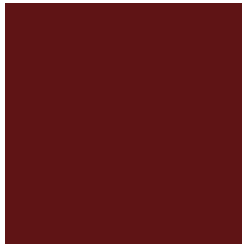
22, 54.504, 36.592



50, 99.248, 39.606

Previews

White Background



This preview shows how the CIE LCh color 20, 38.988, 30.755 looks on a white background.

Color Contrast Check

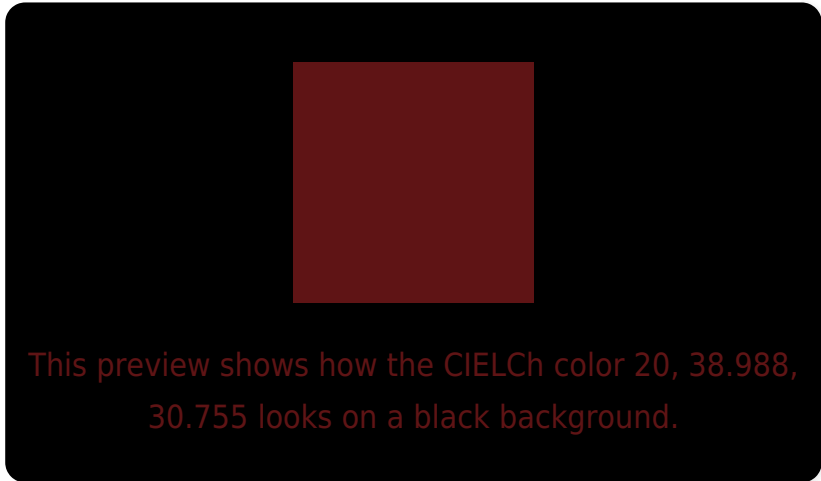
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.988, 30.755

Background



This preview shows how black text looks on a background with the CIELCh color 20, 38.988, 30.755.

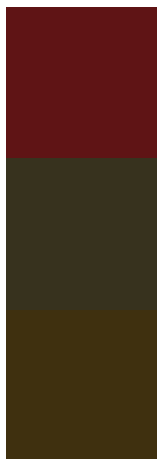


This preview shows how white text looks on a background with the CIELCh color 20, 38.988, 30.755.

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, 38.988, 30.755

Protanopia

21, 13.613, 95.847

Deuteranopia

21, 23.174, 83.784



Tritanopia
20, 39.280, 31.602

Trichromacy



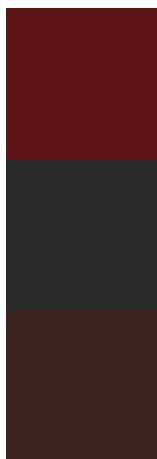
Original Color
20, 38.988, 30.755

Protanomaly
19, 19.256, 47.027

Deuteranomaly
20, 26.153, 53.975

Tritanomaly
20, 39.280, 31.602

Monochromacy



Original Color
20, 38.988, 30.755

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 14.024, 22.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 38.988, 30.755 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(95, 20, 21)` looks like.

```
.text, #text, p{  
    color:rgb(95, 20, 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(95, 20, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 20, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 38.988, 30.755 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(95, 20, 21) }
```

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

```
.border{ border-color:rgb(95, 20, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 20, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 20, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 20, 21);  
box-shadow:4px 4px 4px 4px rgb(95, 20, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 38.988, 30.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 20, 21) }
```

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

```
.background{ background-color: rgb(95, 20,  
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](#).

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