

Converting Colors

CIELCh(20, 27.832, 37.996)

Have a look what the booklet for
CIELCh(20, 27.832, 37.996) contains.

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Color

CIELCh(20, 27.714, 38.882)

Conversions

Conversions Part 1

Format	Color
Hex	522218
RGB	82, 34, 24
RGB Percent	32%, 13%, 9%
CMY	0.6790, 0.8672, 0.9063
CMYK	0.00, 0.59, 0.71, 0.68
HSL	10°, 55%, 21%
HSV	10°, 71%, 32%
XYZ	4.1983, 2.9891, 1.2134
YIQ	47.2120, 31.8180, 7.0660

Conversions

Conversions Part 2

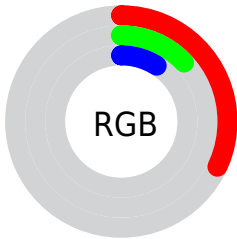
Format	Color
R_{YB}	82, 36, 24
Decimal	5382680
CIE _{Lab}	20.00, 21.57, 17.40
CIE _{LCh}	20, 27.714, 38.882
Yxy	2.9891, 0.4998, 0.3558
Android (android.graphics.Color)	4283572760 (0xFF522218)
YUV	47.2120, -11.4435, 30.5091
Hunter-Lab	17.2889, 13.0905, 7.9412

Details

The CIELCh color **20, 27.714, 38.882** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **28, 16.405, 220.821**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 27.772, 39.017**, and **3, 15.364, 17.901** is the 20% darker color. If you saturate the color by 10%, you get **18, 32.342, 39.746**, and if you desaturate by 10%, it is **22, 23.054, 37.952**.

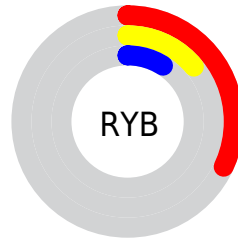
Distribution



 Red (32%)

 Green (13%)

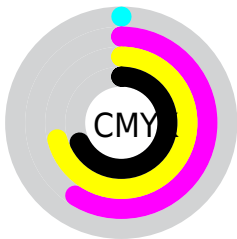
 Blue (9%)



 Red (32%)

 Yellow (14%)

 Blue (9%)

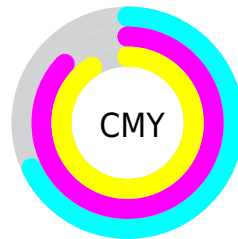


 Cyan (0%)

 Magenta (59%)

 Yellow (71%)

 Black (68%)



 Cyan (68%)

 Magenta (87%)

 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 27.714, 38.882 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, 27.714, 38.882 by changing the saturation by 10% instead.

■ 20, 27.714, 38.882

■ 20, 27.714, 38.882

■ 100, 27.714,
38.882

■ 10, 27.714, 38.882

■ 0, 27.714, 38.882

■ 40, 27.714, 38.882

■ 50, 27.714, 38.882

■ 60, 27.714, 38.882

■ 70, 27.714, 38.882

■ 80, 27.714, 38.882

■ 90, 27.714, 38.882

■ 20, 27.714, 38.882

■ 20, 27.714, 38.882

■ 18, 32.342, 39.746

■ 22, 23.054, 37.952

■ 17, 36.026, 39.215

■ 24, 18.598, 37.247

■ 16, 38.974, 39.045

■ 26, 14.394, 36.754

■ 28, 10.463, 36.440

■ 30, 6.803, 36.266

■ 32, 3.404, 36.182

■ 35, 0.248, 35.155

■ 37, 2.686, 216.545

■ 39, 5.421, 216.664

Harmonies

Complementary

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



20, 27.714, 38.882



28, 16.405, 220.821

Rectangle

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



20, 27.714, 38.882



20, 27.714, 88.882



20, 27.714, 218.882



20, 27.714, 268.882

Sweetspot

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



20, 27.713, 38.885



39, 8.599, 36.277



20, 37.094, 333.544



18, 5.784, 36.297



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



20, 27.713, 38.885



24, 43.226, 40.891



28, 26.555, 82.358



15, 1.740, 36.165



22, 49.041, 41.301



50, 93.839, 42.402

Inverse Universe

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



28, 16.405, 220.821



35, 21.888, 223.988



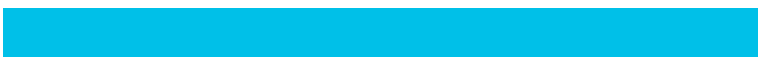
18, 26.836, 284.475



16, 1.655, 216.546



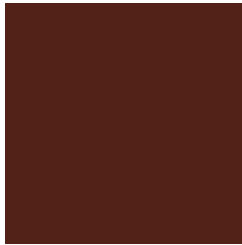
33, 22.606, 227.590



72, 40.578, 230.071

Previews

White Background



This preview shows how the CIE LCh color 20, 27.714, 38.882 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



This preview shows how the CIE LCh color 20, 27.714, 38.882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

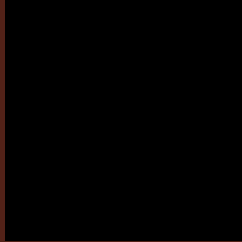
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 27.714, 38.882

Background



This preview shows how black text looks on a background with the CIELCh color 20, 27.714, 38.882.

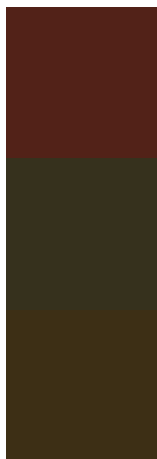


This preview shows how white text looks on a background with the CIELCh color 20, 27.714, 38.882.

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, 27.714, 38.882

Protanopia

20, 13.651, 95.778

Deuteranopia

20, 19.094, 82.096



Tritanopia
20, 25.569, 22.088

Trichromacy



Original Color
20, 27.714, 38.882

Protanomaly
20, 16.099, 62.287

Deuteranomaly
20, 20.746, 60.605

Tritanomaly
20, 25.969, 28.904

Monochromacy



Original Color
20, 27.714, 38.882

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 9.450, 33.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 27.714, 38.882 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(82, 34, 24)` looks like.

```
.text, #text, p{  
    color:rgb(82, 34, 24)  
}
```

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(82, 34, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 34, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 27.714, 38.882 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(82, 34, 24) }
```

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

```
.border{ border-color:rgb(82, 34, 24) }
```

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

Here you see how a box with a 4 pixel rgb(82, 34, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 34, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 34, 24);  
box-shadow:4px 4px 4px 4px rgb(82, 34, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 27.714, 38.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 34, 24) }
```

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

```
.background{ background-color: rgb(82, 34,  
24) }
```

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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