

Converting Colors

CIELCh(17, 20.191, 54.855)

Have a look what the booklet for
CIELCh(17, 20.191, 54.855) contains.

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Color

CIELCh(17, 19.922, 54.647)

Conversions

Conversions Part 1

Format	Color
Hex	3F2313
RGB	63, 35, 19
RGB Percent	25%, 14%, 7%
CMY	0.7531, 0.8629, 0.9256
CMYK	0.00, 0.44, 0.70, 0.75
HSL	22°, 54%, 16%
HSV	22°, 70%, 25%
XYZ	2.7646, 2.3023, 0.9132
YIQ	41.5480, 21.8240, 0.9600

Conversions

Conversions Part 2

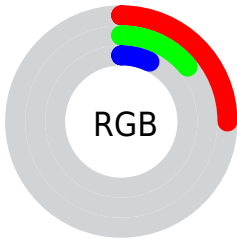
Format	Color
RYB	63, 44, 19
Decimal	4137747
CIELab	17.00, 11.53, 16.25
CIELCh	17, 19.922, 54.647
Yxy	2.3023, 0.4623, 0.3850
Android (android.graphics.Color)	4282327827 (0xFF3F2313)
YUV	41.5480, -11.1162, 18.8134
Hunter-Lab	15.1734, 5.9691, 7.0531

Details

The CIELCh color **17, 19.922, 54.647** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **18, 14.066, 250.588**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 19.694, 54.737**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 22.804, 53.116**, and if you desaturate by 10%, it is **18, 16.601, 55.223**.

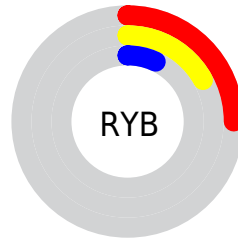
Distribution



Red (25%)

Green (14%)

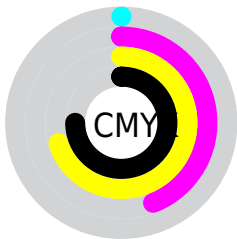
Blue (7%)



Red (25%)

Yellow (17%)

Blue (7%)

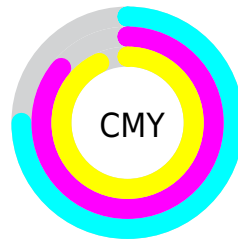


Cyan (0%)

Magenta (44%)

Yellow (70%)

Black (75%)



Cyan (75%)

Magenta (86%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 19.922, 54.647 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 17, 19.922, 54.647 by changing the saturation by 10% instead.

 17, 19.922, 54.647

 17, 19.922, 54.647

 100, 19.922,
54.647

 7, 19.922, 54.647

 37, 19.922, 54.647

 0, 19.922, 54.647

 47, 19.922, 54.647

 57, 19.922, 54.647

 67, 19.922, 54.647

 77, 19.922, 54.647

 87, 19.922, 54.647

 97, 19.922, 54.647

■ 17, 19.922, 54.647

■ 17, 19.922, 54.647

■ 16, 22.804, 53.116

■ 18, 16.601, 55.223

■ 15, 25.124, 50.752

■ 20, 13.417, 55.817

■ 14, 27.397, 48.882

■ 21, 10.402, 56.463

■ 14, 27.425, 48.863

■ 22, 7.557, 57.154

■ 24, 4.878, 57.877

■ 25, 2.353, 58.598

■ 27, 0.031, 246.165

■ 28, 2.286, 240.358

■ 30, 4.425, 241.111

Harmonies

Complementary

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



17, 19.922, 54.647



18, 14.066, 250.588

Rectangle

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



17, 19.922, 54.647



17, 19.922, 104.647



17, 19.922, 234.647



17, 19.922, 284.647

Sweetspot

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



17, 19.921, 54.651



31, 6.435, 57.728



14, 26.502, 341.876



14, 4.292, 57.667



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



17, 19.921, 54.651



21, 30.794, 53.456



24, 23.961, 96.350



11, 1.285, 58.699



22, 41.312, 51.485



53, 82.532, 50.408

Inverse Universe

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



18, 14.066, 250.588



22, 19.876, 256.280



11, 27.267, 294.004



11, 1.245, 240.280



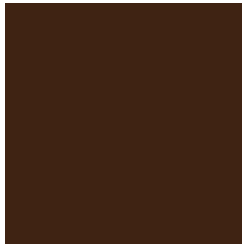
24, 25.372, 263.310



56, 49.779, 267.693

Previews

White Background



This preview shows how the CIE LCh color 17, 19.922, 54.647 looks on a white background.

Color Contrast Check

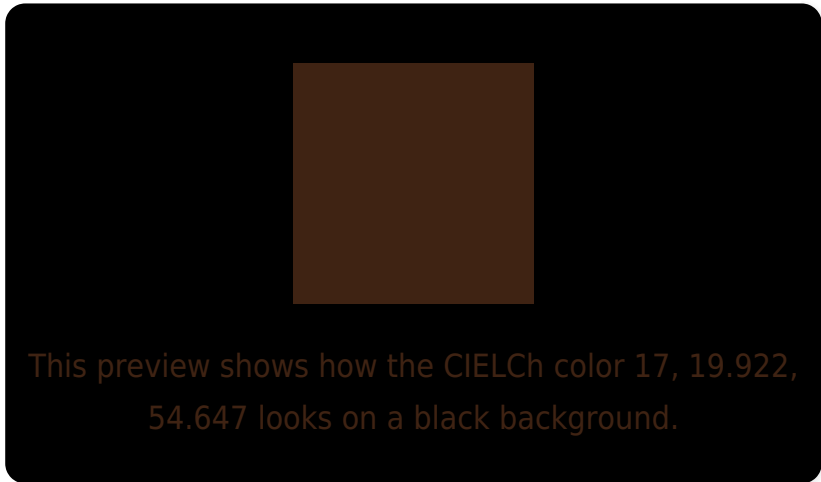
Large Text (above 18pt) WCAG AA ✓ Pass

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

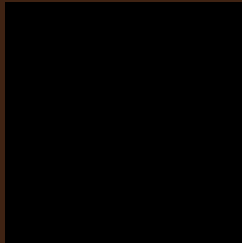
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 19.922, 54.647

Background



This preview shows how black text looks on a background with the CIELCh color 17, 19.922, 54.647.

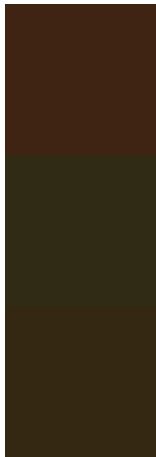


This preview shows how white text looks on a background with the CIELCh color 17, 19.922, 54.647.

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

17, 19.922, 54.647

Protanopia

17, 15.077, 97.898

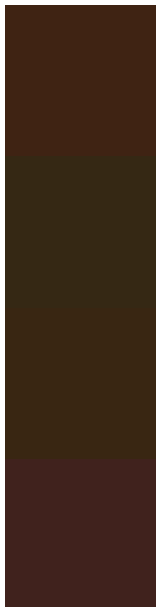
Deuteranopia

17, 16.852, 80.403



Tritanopia
17, 16.029, 18.919

Trichromacy



Original Color

17, 19.922, 54.647

Protanomaly

17, 15.682, 78.885

Deuteranomaly

17, 17.786, 69.243

Tritanomaly

17, 16.736, 34.908

Monochromacy



Original Color

17, 19.922, 54.647

Achromatopsia

17, 0.003, 296.813

Achromatomaly

17, 6.717, 51.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 19.922, 54.647 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(63, 35, 19)` looks like.

```
.text, #text, p{  
    color:rgb(63, 35, 19)  
}
```

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(63, 35, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 35, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 19.922, 54.647 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(63, 35, 19) }
```

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

```
.border{ border-color:rgb(63, 35, 19) }
```

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

Here you see how a box with a 4 pixel rgb(63, 35, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 35, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 35, 19);  
box-shadow:4px 4px 4px 4px rgb(63, 35, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 19.922, 54.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 35, 19) }
```

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

```
.background{ background-color: rgb(63, 35,  
19) }
```

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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