

Converting Colors

CIELCh(20, 56.313, 73.117)

Have a look what the booklet for
CIELCh(20, 56.313, 73.117) contains.

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Color

CIELCh(20, 33.812, 59.539)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 4F2500 |
| RGB | 79, 37, 0 |
| RGB Percent | 31%, 15%, 0% |
| CMY | 0.6901, 0.8548, 0.9998 |
| CMYK | 0.00, 0.53, 1.00, 0.69 |
| HSL | 28°, 100%, 16% |
| HSV | 28°, 100%, 31% |
| XYZ | 3.8903, 2.9891, 0.3732 |
| YIQ | 45.3400, 36.9090, -2.6030 |

Conversions

Conversions Part 2

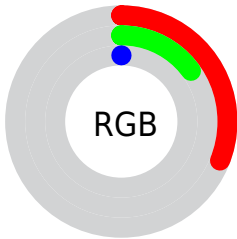
| Format | Color |
|-------------------------------------|-------------------------------|
| R_YB | 79, 70, 0 |
| Decimal | 5186816 |
| CIE Lab | 20.00, 17.14, 29.15 |
| CIE LCh | 20, 33.812, 59.539 |
| Yxy | 2.9891, 0.5364, 0.4121 |
| Android (android.graphics.Color) | 4283376896 (0xFF4F2500) |
| YUV | 45.3400, -22.3526, 29.5198 |
| Hunter-Lab | 17.2889, 9.9104, 10.8225 |

Details

The CIELCh color **20, 33.812, 59.539** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **17, 26.659, 276.008**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 33.703, 59.120**, and **3, 12.529, 17.560** is the 20% darker color. If you saturate the color by 10%, you get **20, 33.828, 59.533**, and if you desaturate by 10%, it is **21, 30.987, 61.369**.

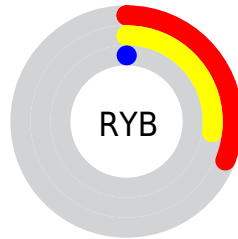
Distribution



Red (31%)

Green (15%)

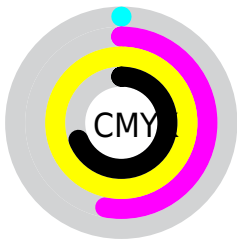
Blue (0%)



Red (31%)

Yellow (27%)

Blue (0%)

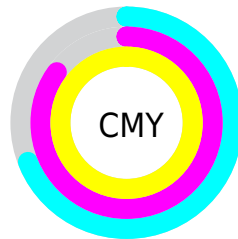


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (69%)



Cyan (69%)

Magenta (85%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 33.812, 59.539 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, 33.812, 59.539 by changing the saturation by 10% instead.

 20, 33.812, 59.539

 20, 33.812, 59.539

 100, 33.812,
59.539

 10, 33.812, 59.539

 40, 33.812, 59.539

 0, 33.812, 59.539

 50, 33.812, 59.539

 60, 33.812, 59.539

 70, 33.812, 59.539

 80, 33.812, 59.539

 90, 33.812, 59.539

 20, 33.812, 59.539

 20, 33.812, 59.539

■ 20, 33.828, 59.533

■ 21, 30.987, 61.369

■ 22, 27.834, 63.202

■ 24, 24.001, 64.374

■ 25, 20.164, 65.469

■ 26, 16.425, 66.541

■ 28, 12.827, 67.611

■ 29, 9.386, 68.682

■ 31, 6.103, 69.747

■ 32, 2.971, 70.784

Harmonies

Complementary

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



20, 33.812, 59.539



17, 26.659, 276.008

Rectangle

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



20, 33.812, 59.539



20, 33.812, 109.539



20, 33.812, 239.539



20, 33.812, 289.539

Sweetspot

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



20, 33.811, 59.542



38, 11.643, 68.563



15, 36.966, 355.199



18, 7.885, 68.328



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



20, 33.811, 59.542



27, 42.845, 59.813



32, 40.514, 100.904



14, 1.618, 70.915



59, 80.101, 57.483

Inverse Universe

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



17, 26.659, 276.008



22, 32.815, 277.869



6, 53.974, 304.466



14, 1.584, 252.951



51, 63.381, 281.481

Previews

White Background



This preview shows how the CIELCh color 20, 33.812, 59.539 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, 33.812, 59.539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

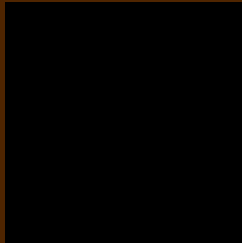
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 33.812, 59.539

Background



This preview shows how black text looks on a background with the CIELCh color 20, 33.812, 59.539.



This preview shows how white text looks on a background with the CIELCh color 20, 33.812, 59.539.

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, 33.812, 59.539

Protanopia

20, 25.819, 95.429

Deuteranopia

20, 28.826, 86.565



Tritanopia
20, 23.440, 20.892

Trichromacy



Original Color
20, 33.812, 59.539

Protanomaly
20, 27.203, 80.742

Deuteranomaly
20, 29.548, 75.016

Tritanomaly
20, 26.420, 40.522

Monochromacy



Original Color
20, 33.812, 59.539

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 12.184, 66.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 33.812, 59.539 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(79, 37, 0)` looks like.

```
.text, #text, p{  
    color:rgb(79, 37, 0)  
}
```


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(79, 37, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 37, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 33.812, 59.539 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(79, 37, 0) }
```

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

```
.border{ border-color:rgb(79, 37, 0) }
```

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

Here you see how a box with a 4 pixel rgb(79, 37, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 37, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(79, 37, 0); box-shadow:4px  
4px 4px 4px rgb(79, 37, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 33.812, 59.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 37, 0) }
```

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

```
.background{ background-color: rgb(79, 37,  
0) }
```

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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