

Converting Colors

CIELCh(20, 39.861, 48.173)

Have a look what the booklet for
CIELCh(20, 39.861, 48.173) contains.

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Color

CIELCh(20, 39.666, 48.535)

Conversions

Conversions Part 1

Format	Color
Hex	591D00
RGB	89, 29, 0
RGB Percent	35%, 11%, 0%
CMY	0.6515, 0.8868, 1.0000
CMYK	0.00, 0.68, 1.00, 0.65
HSL	19°, 100%, 17%
HSV	19°, 100%, 35%
XYZ	4.5416, 2.9891, 0.3327
YIQ	43.6340, 45.0690, 3.7010

Conversions

Conversions Part 2

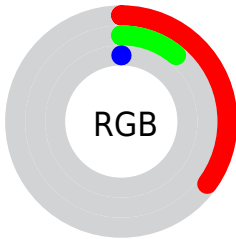
Format	Color
RYB	89, 43, 0
Decimal	5840128
CIELab	20.00, 26.27, 29.72
CIELCh	20, 39.666, 48.535
Yxy	2.9891, 0.5776, 0.3801
Android (android.graphics.Color)	4284030208 (0xFF591D00)
YUV	43.6340, -21.5116, 39.7860
Hunter-Lab	17.2889, 16.6347, 10.9613

Details

The CIELCh color **20, 39.666, 48.535** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **24, 22.768, 256.487**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 39.453, 48.739**, and **4, 19.370, 18.235** is the 20% darker color. If you saturate the color by 10%, you get **20, 39.618, 48.467**, and if you desaturate by 10%, it is **21, 36.059, 49.701**.

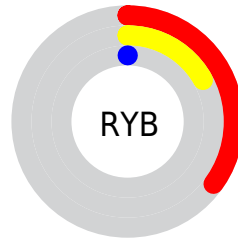
Distribution



Red (35%)

Green (11%)

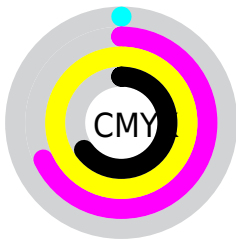
Blue (0%)



Red (35%)

Yellow (17%)

Blue (0%)

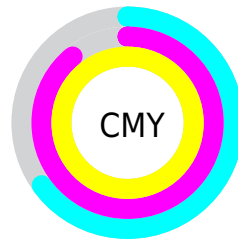


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (65%)



Cyan (65%)

Magenta (89%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 39.666, 48.535 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, 39.666, 48.535 by changing the saturation by 10% instead.

 20, 39.666, 48.535

 20, 39.666, 48.535

 100, 39.666,
48.535

 10, 39.666, 48.535

 40, 39.666, 48.535

 0, 39.666, 48.535

 50, 39.666, 48.535

 60, 39.666, 48.535

 70, 39.666, 48.535

 80, 39.666, 48.535

 90, 39.666, 48.535

 20, 39.666, 48.535

 20, 39.666, 48.535

■ 20, 39.618, 48.467

■ 21, 36.059, 49.701

■ 23, 31.916, 50.711

■ 24, 27.204, 50.996

■ 26, 22.602, 51.300

■ 28, 18.212, 51.676

■ 30, 14.073, 52.136

■ 32, 10.194, 52.672

■ 34, 6.566, 53.266

■ 36, 3.174, 53.881

Harmonies

Complementary

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



20, 39.666, 48.535



24, 22.768, 256.487

Rectangle

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



20, 39.666, 48.535



20, 39.666, 98.535



20, 39.666, 228.535



20, 39.666, 278.535

Sweetspot

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



20, 39.618, 48.467



41, 12.628, 52.618



18, 42.942, 344.463



20, 8.765, 52.469



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



20, 39.618, 48.467



27, 50.094, 49.399



31, 40.177, 90.402



17, 1.733, 53.954



25, 47.128, 49.244



55, 88.067, 48.153

Inverse Universe

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



24, 22.768, 256.487



31, 27.676, 258.245



10, 51.703, 300.961



17, 1.665, 235.439



29, 26.248, 257.808



62, 48.351, 261.488

Previews

White Background



This preview shows how the CIELCh color 20, 39.666, 48.535 looks on a white background.

Color Contrast Check

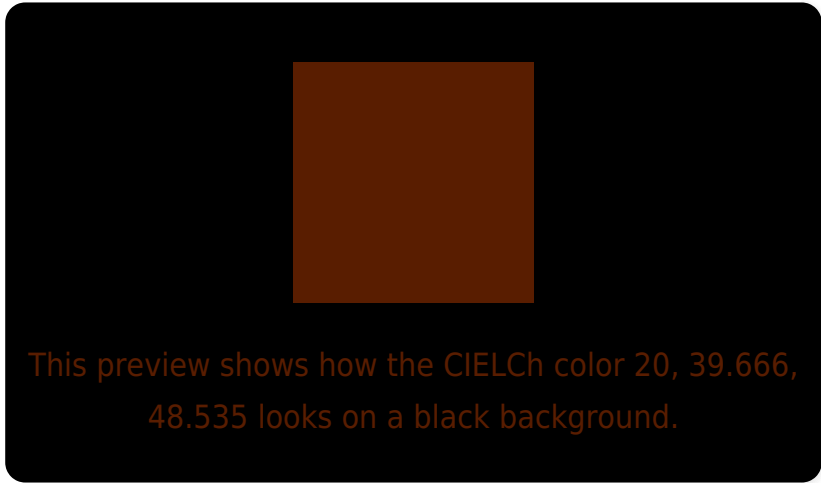
Large Text (above 18pt) WCAG AA ✓ Pass

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

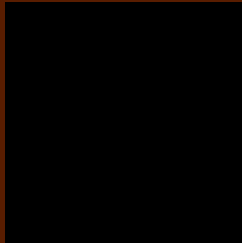
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 39.666, 48.535

Background



This preview shows how black text looks on a background with the CIELCh color 20, 39.666, 48.535.



This preview shows how white text looks on a background with the CIELCh color 20, 39.666, 48.535.

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, 39.666, 48.535

Protanopia

21, 25.451, 96.693

Deuteranopia

20, 29.043, 85.506



Tritanopia
20, 32.249, 27.579

Trichromacy



Original Color
20, 39.666, 48.535

Protanomaly
20, 27.227, 71.545

Deuteranomaly
20, 30.741, 67.594

Tritanomaly
20, 34.932, 38.161

Monochromacy



Original Color
20, 39.666, 48.535

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 13.952, 53.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 39.666, 48.535 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(89, 29, 0)` looks like.

```
.text, #text, p{  
    color:rgb(89, 29, 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(89, 29, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 29, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 39.666, 48.535 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(89, 29, 0) }
```

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

```
.border{ border-color:rgb(89, 29, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 29, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 29, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(89, 29, 0); box-shadow:4px  
4px 4px 4px rgb(89, 29, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 39.666, 48.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 29, 0) }
```

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

```
.background{ background-color: rgb(89, 29,  
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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