

Converting Colors

CIELCh(56, 66.464, 68.606)

Have a look what the booklet for
CIELCh(56, 66.464, 68.606) contains.

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Color

CIELCh(56, 66.457, 68.685)

Conversions

Conversions Part 1

Format	Color
Hex	C27406
RGB	194, 116, 6
RGB Percent	76%, 45%, 2%
CMY	0.2399, 0.5457, 0.9776
CMYK	0.00, 0.40, 0.97, 0.24
HSL	35°, 94%, 39%
HSV	35°, 97%, 76%
XYZ	28.4592, 23.9124, 3.2795
YIQ	126.7820, 81.7980, -17.6740

Conversions

Conversions Part 2

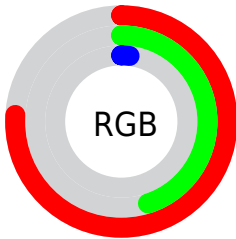
Format	Color
R _Y B	139, 194, 6
Decimal	12743686
CIE Lab	56.00, 24.16, 61.91
CIE LCh	56, 66.457, 68.685
Yxy	23.9124, 0.5114, 0.4297
Android (android.graphics.Color)	4290933766 (0xFFC27406)
YUV	126.7820, -59.5455, 58.9502
Hunter-Lab	48.9003, 18.3086, 30.2540

Details

The CIELCh color **56, 66.457, 68.685** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **38, 67.280, 290.399**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 66.317, 68.863**, and **36, 52.583, 61.675** is the 20% darker color. If you saturate the color by 10%, you get **55, 67.550, 67.937**, and if you desaturate by 10%, it is **58, 62.353, 71.218**.

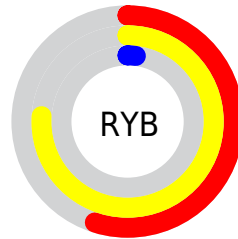
Distribution



Red (76%)

Green (45%)

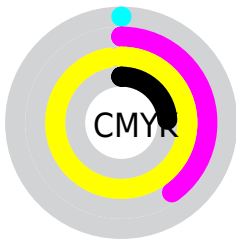
Blue (2%)



Red (55%)

Yellow (76%)

Blue (2%)

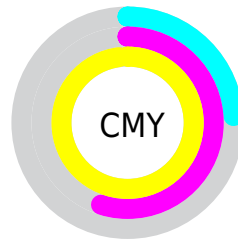


Cyan (0%)

Magenta (40%)

Yellow (97%)

Black (24%)



Cyan (24%)

Magenta (55%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 66.457, 68.685 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 56, 66.457, 68.685 by changing the saturation by 10% instead.

■ 56, 66.457, 68.685

■ 56, 66.457, 68.685

■ 100, 66.457,
68.685

■ 46, 66.457, 68.685

■ 76, 66.457, 68.685

■ 36, 66.457, 68.685

■ 86, 66.457, 68.685

■ 26, 66.457, 68.685

■ 96, 66.457, 68.685

■ 16, 66.457, 68.685

■ 6, 66.457, 68.685

■ 0, 66.457, 68.685

■ 56, 66.457, 68.685

■ 56, 66.457, 68.685

■ 55, 67.550, 67.937

■ 58, 62.353, 71.218

■ 60, 56.361, 73.208

62, 49.243, 74.882

64, 41.648, 76.397

67, 33.953, 77.833

69, 26.352, 79.221

71, 18.937, 80.573

74, 11.742, 81.886

77, 4.774, 83.135

Harmonies

Complementary

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



56, 66.457, 68.685



38, 67.280, 290.399

Rectangle

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



56, 66.457, 68.685



56, 66.457, 118.685



56, 66.457, 248.685



56, 66.457, 298.685

Sweetspot

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



56, 66.455, 68.688



90, 25.259, 80.250



42, 68.201, 8.857



47, 17.595, 79.662



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



56, 66.455, 68.688



71, 82.523, 67.334



75, 78.628, 107.916



40, 3.853, 82.856



46, 58.716, 68.460



7, 11.805, 68.445

Inverse Universe

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



38, 67.280, 290.399



48, 86.234, 292.192



24, 106.933, 306.329



39, 3.817, 265.368



31, 59.589, 290.920



4, 14.001, 275.558

Previews

White Background



This preview shows how the CIELCh color 56, 66.457, 68.685 looks on a white background.

Color Contrast Check

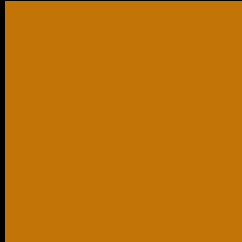
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 56, 66.457, 68.685 looks on a black 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 × Fail

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

CIELCh 56, 66.457, 68.685

Background



This preview shows how black text looks on a background with the CIELCh color 56, 66.457, 68.685.



This preview shows how white text looks on a background with the CIELCh color 56, 66.457, 68.685.

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

56, 66.457, 68.685

Protanopia

56, 58.188, 95.202

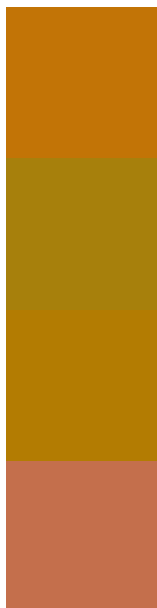
Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 38.232, 17.638

Trichromacy



Original Color
56, 66.457, 68.685

Protanomaly
56, 59.392, 84.719

Deuteranomaly
56, 63.111, 78.075

Tritanomaly
56, 45.548, 48.137

Monochromacy



Original Color
56, 66.457, 68.685

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 26.451, 78.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 66.457, 68.685 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(194, 116, 6)` looks like.

```
.text, #text, p{  
    color:rgb(194, 116, 6)  
}
```

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(194, 116, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 116, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 66.457, 68.685 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(194, 116, 6) }
```

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

```
.border{ border-color:rgb(194, 116, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 116, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 116, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 116, 6);  
box-shadow:4px 4px 4px 4px rgb(194, 116,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 66.457, 68.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 116, 6) }
```

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

```
.background{ background-color: rgb(194,  
116, 6) }
```

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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