

Converting Colors

CIELCh(56, 66.030, 69.776)

Have a look what the booklet for
CIELCh(56, 66.030, 69.776) contains.

CIELCh(56, 65.982, 69.849)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(56, 65.982, 69.849)

Conversions

Conversions Part 1

Format	Color
Hex	C07505
RGB	192, 117, 5
RGB Percent	75%, 46%, 2%
CMY	0.2474, 0.5414, 0.9809
CMYK	0.00, 0.39, 0.97, 0.25
HSL	36°, 95%, 39%
HSV	36°, 97%, 75%
XYZ	28.0967, 23.9124, 3.2744
YIQ	126.6570, 80.6520, -18.9320

Conversions

Conversions Part 2

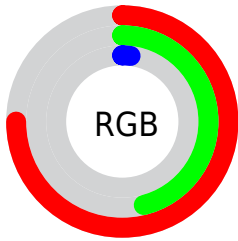
Format	Color
R _Y B	130, 192, 5
Decimal	12612869
CIE Lab	56.00, 22.73, 61.94
CIE LCh	56, 65.982, 69.849
Yxy	23.9124, 0.5082, 0.4325
Android (android.graphics.Color)	4290802949 (0xFFC07505)
YUV	126.6570, -59.9769, 57.3058
Hunter-Lab	48.9003, 16.9854, 30.2601

Details

The CIELCh color **56, 65.982, 69.849** 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 **37, 68.709, 291.529**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 66.057, 69.642**, and **36, 51.722, 62.986** is the 20% darker color. If you saturate the color by 10%, you get **56, 66.889, 69.216**, and if you desaturate by 10%, it is **58, 62.100, 72.367**.

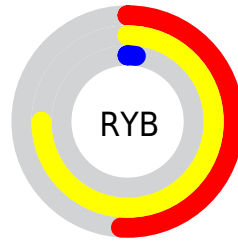
Distribution



Red (75%)

Green (46%)

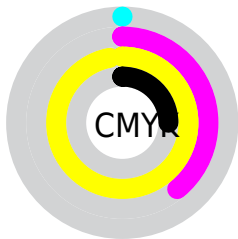
Blue (2%)



Red (51%)

Yellow (75%)

Blue (2%)

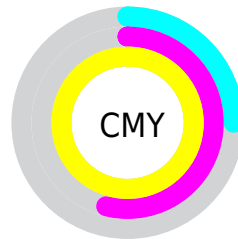


Cyan (0%)

Magenta (39%)

Yellow (97%)

Black (25%)



Cyan (25%)

Magenta (54%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 65.982, 69.849 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, 65.982, 69.849 by changing the saturation by 10% instead.

 56, 65.982, 69.849

 56, 65.982, 69.849

 100, 65.982,
69.849

 46, 65.982, 69.849

 76, 65.982, 69.849

 36, 65.982, 69.849

 86, 65.982, 69.849

 26, 65.982, 69.849

 96, 65.982, 69.849

 16, 65.982, 69.849

 6, 65.982, 69.849

 0, 65.982, 69.849

 56, 65.982, 69.849

 56, 65.982, 69.849

 56, 66.889, 69.216

 58, 62.100, 72.367

 60, 56.329, 74.368

62, 49.372, 76.055

64, 41.883, 77.582

66, 34.252, 79.027

69, 26.684, 80.422

71, 19.276, 81.779

73, 12.070, 83.096

76, 5.076, 84.351

Harmonies

Complementary

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



56, 65.982, 69.849



37, 68.709, 291.529

Rectangle

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



56, 65.982, 69.849



56, 65.982, 119.849



56, 65.982, 249.849



56, 65.982, 299.849

Sweetspot

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



56, 65.980, 69.852



89, 25.300, 81.510



41, 67.779, 9.016



46, 17.467, 80.928



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



56, 65.980, 69.852



71, 81.662, 68.621



74, 78.129, 107.922



40, 3.900, 84.120



47, 58.587, 69.702



7, 11.893, 70.145

Inverse Universe

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



37, 68.709, 291.529



47, 87.658, 293.131



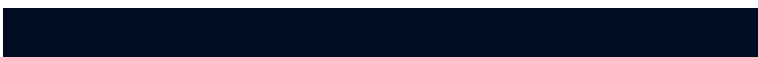
24, 106.337, 306.355



39, 3.869, 266.625



30, 61.071, 291.909



4, 14.187, 276.372

Previews

White Background



This preview shows how the CIELCh color 56, 65.982, 69.849 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, 65.982, 69.849 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, 65.982, 69.849

Background



This preview shows how black text looks on a background with the CIELCh color 56, 65.982, 69.849.



This preview shows how white text looks on a background with the CIELCh color 56, 65.982, 69.849.

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, 65.982, 69.849

Protanopia

56, 58.399, 95.205

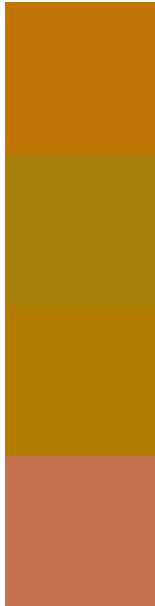
Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 36.921, 17.192

Trichromacy



Original Color
56, 65.982, 69.849

Protanomaly
56, 59.570, 84.750

Deuteranomaly
56, 62.884, 78.453

Tritanomaly
56, 44.980, 49.096

Monochromacy



Original Color
56, 65.982, 69.849

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, 65.982, 69.849 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(192, 117, 5)` looks like.

```
.text, #text, p{  
    color:rgb(192, 117, 5)  
}
```

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(192, 117, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 117, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 65.982, 69.849 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(192, 117, 5) }
```

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

```
.border{ border-color:rgb(192, 117, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 117, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 117, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 117, 5);  
box-shadow:4px 4px 4px 4px rgb(192, 117,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 65.982, 69.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 117, 5) }
```

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

```
.background{ background-color: rgb(192,  
117, 5) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor