

Converting Colors

CIELCh(56, 79.715, 55.155)

Have a look what the booklet for
CIELCh(56, 79.715, 55.155) contains.

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Color

CIELCh(56, 79.513, 54.891)

Conversions

Conversions Part 1

Format	Color
Hex	DE6000
RGB	222, 96, 0
RGB Percent	87%, 38%, 0%
CMY	0.1292, 0.6233, 0.9997
CMYK	0.00, 0.57, 1.00, 0.13
HSL	26°, 100%, 44%
HSV	26°, 100%, 87%
XYZ	34.3285, 23.9124, 2.8083
YIQ	122.7300, 105.9120, -3.1440

Conversions

Conversions Part 2

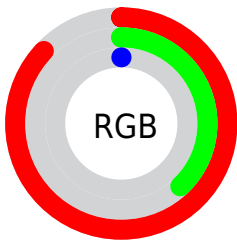
Format	Color
R _Y B	222, 169, 0
Decimal	14573568
CIE Lab	56.00, 45.73, 65.05
CIE LCh	56, 79.513, 54.891
Yxy	23.9124, 0.5623, 0.3917
Android (android.graphics.Color)	4292763648 (0xFFDE6000)
YUV	122.7300, -60.5059, 87.0598
Hunter-Lab	48.9003, 39.7330, 30.8252

Details

The CIELCh color **56, 79.513, 54.891** 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 **52, 57.275, 277.206**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 68.090, 60.927**, and **36, 67.170, 46.444** is the 20% darker color. If you saturate the color by 10%, you get **56, 79.531, 54.886**, and if you desaturate by 10%, it is **58, 73.624, 57.255**.

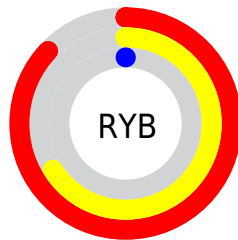
Distribution



Red (87%)

Green (38%)

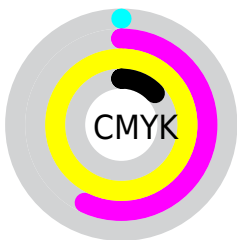
Blue (0%)



Red (87%)

Yellow (66%)

Blue (0%)

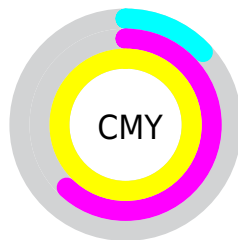


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 79.513, 54.891 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, 79.513, 54.891 by changing the saturation by 10% instead.

56, 79.513, 54.891

56, 79.513, 54.891

100, 79.513,
54.891

46, 79.513, 54.891

76, 79.513, 54.891

36, 79.513, 54.891

86, 79.513, 54.891

26, 79.513, 54.891

96, 79.513, 54.891

16, 79.513, 54.891

6, 79.513, 54.891

0, 79.513, 54.891

56, 79.513, 54.891

56, 79.513, 54.891

56, 79.531, 54.886

58, 73.624, 57.255

61, 65.798, 58.957

64, 56.849, 60.208

67, 47.647, 61.288

71, 38.636, 62.327

74, 30.009, 63.375

77, 21.836, 64.444

81, 14.122, 65.526

85, 6.846, 66.596

Harmonies

Complementary

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



56, 79.513, 54.891



52, 57.275, 277.206

Rectangle

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



56, 79.513, 54.891



56, 79.513, 104.891



56, 79.513, 234.891



56, 79.513, 284.891

Sweetspot

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



56, 79.510, 54.893



88, 24.477, 64.415



48, 78.012, 354.777



45, 16.914, 63.959



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, 79.510, 54.893



64, 88.498, 54.574



81, 82.193, 97.157



45, 3.928, 66.649



45, 66.538, 55.514



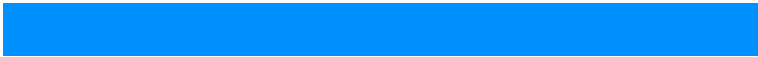
10, 19.806, 52.736

Inverse Universe

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



52, 57.275, 277.206



59, 64.048, 277.632



29, 116.712, 305.397



45, 3.803, 248.961



42, 47.496, 276.396



9, 16.957, 266.560

Previews

White Background



This preview shows how the CIELCh color 56, 79.513, 54.891 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, 79.513, 54.891 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, 79.513, 54.891

Background



This preview shows how black text looks on a background with the CIELCh color 56, 79.513, 54.891.



This preview shows how white text looks on a background with the CIELCh color 56, 79.513, 54.891.

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, 79.513, 54.891

Protanopia

56, 57.009, 95.185

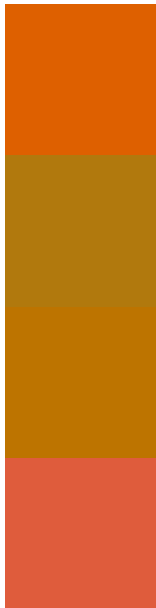
Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 58.357, 24.532

Trichromacy



Original Color
56, 79.513, 54.891

Protanomaly
55, 60.606, 76.679

Deuteranomaly
55, 65.995, 70.613

Tritanomaly
56, 65.860, 41.470

Monochromacy



Original Color
56, 79.513, 54.891

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 29.998, 62.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 79.513, 54.891 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(222, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 96, 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(222, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 96, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 79.513, 54.891 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(222, 96, 0) }
```

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

```
.border{ border-color:rgb(222, 96, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 96, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 96, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 79.513, 54.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 96, 0) }
```

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

```
.background{ background-color: rgb(222, 96,  
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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