

Converting Colors

CIELCh(56, 75.714, 53.939)

Have a look what the booklet for
CIELCh(56, 75.714, 53.939) contains.

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Color

CIELCh(56, 75.695, 53.816)

Conversions

Conversions Part 1

Format	Color
Hex	DC6112
RGB	220, 97, 18
RGB Percent	86%, 38%, 7%
CMY	0.1360, 0.6185, 0.9280
CMYK	0.00, 0.56, 0.92, 0.14
HSL	23°, 85%, 47%
HSV	23°, 92%, 86%
XYZ	34.0280, 23.9124, 3.4101
YIQ	124.7710, 98.6670, 1.5070

Conversions

Conversions Part 2

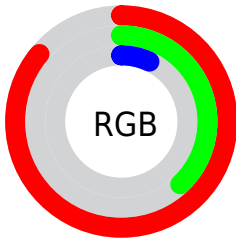
Format	Color
R _Y B	220, 148, 18
Decimal	14442770
CIE Lab	56.00, 44.69, 61.10
CIE LCh	56, 75.695, 53.816
Yxy	23.9124, 0.5546, 0.3898
Android (android.graphics.Color)	4292632850 (0xFFDC6112)
YUV	124.7710, -52.6381, 83.5158
Hunter-Lab	48.9003, 38.6364, 30.0955

Details

The CIELCh color **56, 75.695, 53.816** 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 **57, 48.726, 267.495**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 64.846, 58.909**, and **36, 66.186, 46.915** is the 20% darker color. If you saturate the color by 10%, you get **54, 80.865, 52.083**, and if you desaturate by 10%, it is **59, 67.732, 55.322**.

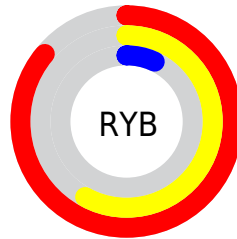
Distribution



Red (86%)

Green (38%)

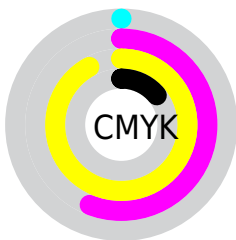
Blue (7%)



Red (86%)

Yellow (58%)

Blue (7%)

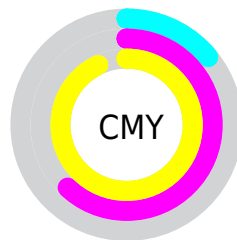


Cyan (0%)

Magenta (56%)

Yellow (92%)

Black (14%)



Cyan (14%)

Magenta (62%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 75.695, 53.816 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, 75.695, 53.816 by changing the saturation by 10% instead.

■ 56, 75.695, 53.816

■ 56, 75.695, 53.816

■ 100, 75.695,
53.816

■ 46, 75.695, 53.816

■ 76, 75.695, 53.816

■ 36, 75.695, 53.816

■ 86, 75.695, 53.816

■ 26, 75.695, 53.816

■ 96, 75.695, 53.816

■ 16, 75.695, 53.816

■ 6, 75.695, 53.816

■ 0, 75.695, 53.816

■ 56, 75.695, 53.816

■ 56, 75.695, 53.816

■ 54, 80.865, 52.083

■ 59, 67.732, 55.322

■ 62, 58.554, 56.321

65, 49.123, 57.149

68, 39.921, 57.955

72, 31.157, 58.798

76, 22.900, 59.688

79, 15.156, 60.616

83, 7.899, 61.558

87, 1.087, 62.162

Harmonies

Complementary

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



56, 75.695, 53.816



57, 48.726, 267.495

Rectangle

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



56, 75.695, 53.816



56, 75.695, 103.816



56, 75.695, 233.816



56, 75.695, 283.816

Sweetspot

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



56, 75.693, 53.818



88, 21.662, 60.096



49, 78.265, 349.551



45, 14.765, 59.779



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, 75.693, 53.818



62, 90.552, 51.766



79, 78.487, 95.371



44, 3.802, 61.762



43, 67.264, 52.713



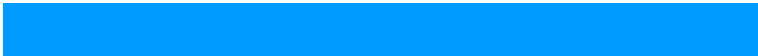
9, 18.772, 47.561

Inverse Universe

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



57, 48.726, 267.495



62, 58.739, 272.135



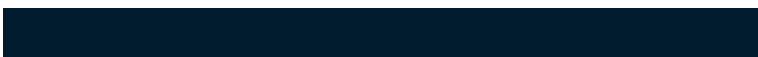
32, 106.643, 303.323



44, 3.658, 243.875



43, 43.156, 270.789



9, 15.276, 260.107

Previews

White Background



This preview shows how the CIELCh color 56, 75.695, 53.816 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, 75.695, 53.816 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, 75.695, 53.816

Background



This preview shows how black text looks on a background with the CIELCh color 56, 75.695, 53.816.



This preview shows how white text looks on a background with the CIELCh color 56, 75.695, 53.816.

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, 75.695, 53.816

Protanopia

56, 54.700, 95.135

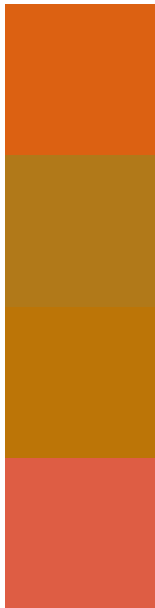
Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 56.990, 24.156

Trichromacy



Original Color
56, 75.695, 53.816

Protanomaly
55, 57.710, 75.735

Deuteranomaly
56, 64.500, 70.994

Tritanomaly
56, 62.812, 38.861

Monochromacy



Original Color
56, 75.695, 53.816

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 26.973, 58.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 75.695, 53.816 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(220, 97, 18)` looks like.

```
.text, #text, p{  
    color:rgb(220, 97, 18)  
}
```

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(220, 97, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 97, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 75.695, 53.816 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(220, 97, 18) }
```

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

```
.border{ border-color:rgb(220, 97, 18) }
```

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

Here you see how a box with a 4 pixel rgb(220, 97, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 97, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 97, 18);  
box-shadow:4px 4px 4px 4px rgb(220, 97,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 75.695, 53.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 97, 18) }
```

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

```
.background{ background-color: rgb(220, 97,  
18) }
```

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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