

Converting Colors

CIELCh(56, 88.082, 48.942)

Have a look what the booklet for
CIELCh(56, 88.082, 48.942) contains.

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Color

CIELCh(56, 87.941, 49.022)

Conversions

Conversions Part 1

Format	Color
Hex	ED5100
RGB	237, 81, 0
RGB Percent	93%, 32%, 0%
CMY	0.0703, 0.6821, 0.9996
CMYK	0.00, 0.66, 1.00, 0.07
HSL	21°, 100%, 47%
HSV	21°, 100%, 93%
XYZ	37.8984, 23.9124, 2.6208
YIQ	118.4100, 118.9770, 7.8810

Conversions

Conversions Part 2

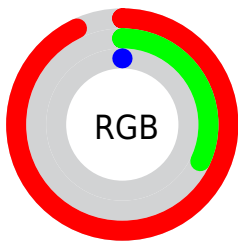
Format	Color
RYB	237, 123, 0
Decimal	15552768
CIELab	56.00, 57.67, 66.39
CIElCh	56, 87.941, 49.022
Yxy	23.9124, 0.5882, 0.3711
Android (android.graphics.Color)	4293742848 (0xFFED5100)
YUV	118.4100, -58.3761, 104.0034
Hunter-Lab	48.9003, 52.7643, 31.0526

Details

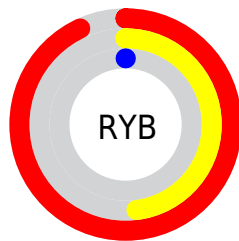
The CIELCh color **56, 87.941, 49.022** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **62, 50.271, 264.352**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 69.598, 55.254**, and **36, 76.700, 40.843** is the 20% darker color. If you saturate the color by 10%, you get **56, 87.966, 49.018**, and if you desaturate by 10%, it is **59, 80.894, 50.709**.

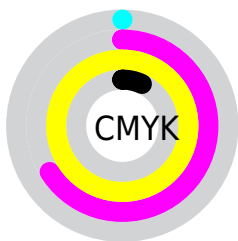
Distribution



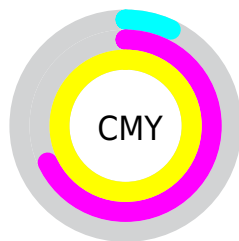
- Red (93%)
- Green (32%)
- Blue (0%)



- Red (93%)
- Yellow (48%)
- Blue (0%)



- Cyan (0%)
- Magenta (66%)
- Yellow (100%)
- Black (7%)



- Cyan (7%)
- Magenta (68%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 87.941, 49.022 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, 87.941, 49.022 by changing the saturation by 10% instead.

■ 56, 87.941, 49.022 ■ 56, 87.941, 49.022

■ 100, 87.941, 49.022 ■ 46, 87.941, 49.022

■ 76, 87.941, 49.022 ■ 36, 87.941, 49.022

■ 86, 87.941, 49.022 ■ 26, 87.941, 49.022

■ 96, 87.941, 49.022 ■ 16, 87.941, 49.022

■ 6, 87.941, 49.022

■ 0, 87.941, 49.022

■ 56, 87.941, 49.022 ■ 56, 87.941, 49.022

■ 56, 87.966, 49.018 ■ 59, 80.894, 50.709

■ 62, 71.658, 51.668

65, 61.386, 52.209

68, 51.045, 52.658

72, 41.082, 53.148

76, 31.678, 53.719

81, 22.886, 54.373

85, 14.697, 55.093

89, 7.074, 55.841

Harmonies

Complementary

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



56, 87.941, 49.022



62, 50.271, 264.352

Rectangle

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



56, 87.941, 49.022



56, 87.941, 99.022



56, 87.941, 229.022



56, 87.941, 279.022

Sweetspot

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



56, 87.938, 49.024



86, 24.327, 54.362



52, 85.335, 347.819



44, 16.860, 54.076



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, 87.938, 49.024



60, 93.090, 48.877



81, 82.069, 90.495



47, 3.994, 55.877



43, 71.429, 49.640



11, 23.076, 45.030

Inverse Universe

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



62, 50.271, 264.352



66, 53.273, 264.597



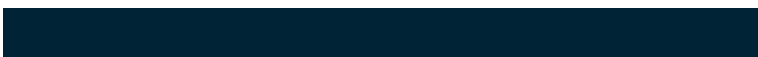
33, 115.889, 303.786



47, 3.815, 237.698



48, 40.643, 263.399



12, 15.999, 254.483

Previews

White Background



This preview shows how the CIELCh color 56, 87.941, 49.022 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, 87.941, 49.022 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, 87.941, 49.022

Background



This preview shows how black text looks on a background with the CIELCh color 56, 87.941, 49.022.



This preview shows how white text looks on a background with the CIELCh color 56, 87.941, 49.022.

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, 87.941, 49.022

Protanopia

56, 55.918, 95.164

Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 71.156, 28.839

Trichromacy



Original Color
56, 87.941, 49.022

Protanomaly
54, 61.472, 70.977

Deuteranomaly
55, 67.798, 66.717

Tritanomaly
56, 77.948, 39.621

Monochromacy



Original Color
56, 87.941, 49.022

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 32.249, 53.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 87.941, 49.022 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(237, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 81, 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(237, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 81, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 87.941, 49.022 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(237, 81, 0) }
```

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

```
.border{ border-color:rgb(237, 81, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 81, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 81, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 87.941, 49.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 81, 0) }
```

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

```
.background{ background-color: rgb(237, 81,  
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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