

Converting Colors

CIELCh(56, 83.096, 49.838)

Have a look what the booklet for
CIELCh(56, 83.096, 49.838) contains.

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Color

CIELCh(56, 83.138, 49.900)

Conversions

Conversions Part 1

Format	Color
Hex	E8570C
RGB	232, 87, 12
RGB Percent	91%, 34%, 5%
CMY	0.0913, 0.6597, 0.9544
CMYK	0.00, 0.63, 0.95, 0.09
HSL	20°, 90%, 48%
HSV	20°, 95%, 91%
XYZ	36.6404, 23.9124, 3.0205
YIQ	121.8050, 110.4950, 7.4150

Conversions

Conversions Part 2

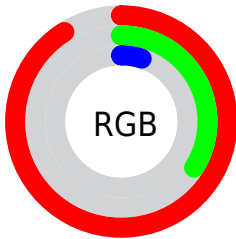
Format	Color
RYB	232, 126, 12
Decimal	15226636
CIELab	56.00, 53.55, 63.59
CIELCh	56, 83.138, 49.900
Yxy	23.9124, 0.5763, 0.3761
Android (android.graphics.Color)	4293416716 (0xFFE8570C)
YUV	121.8050, -54.1339, 96.6410
Hunter-Lab	48.9003, 48.1722, 30.5680

Details

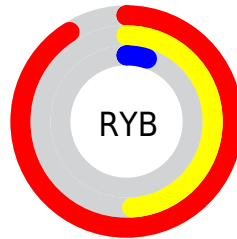
The CIELCh color **56, 83.138, 49.900** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **62, 47.666, 261.681**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 66.970, 56.057**, and **36, 73.383, 42.700** is the 20% darker color. If you saturate the color by 10%, you get **55, 86.435, 49.048**, and if you desaturate by 10%, it is **59, 75.113, 51.259**.

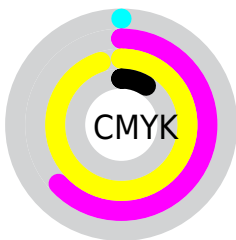
Distribution



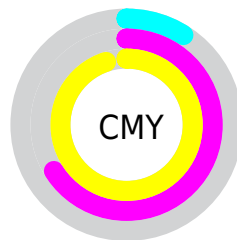
- Red (91%)
- Green (34%)
- Blue (5%)



- Red (91%)
- Yellow (49%)
- Blue (5%)



- Cyan (0%)
- Magenta (63%)
- Yellow (95%)
- Black (9%)



- Cyan (9%)
- Magenta (66%)
- Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 83.138, 49.900 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, 83.138, 49.900 by changing the saturation by 10% instead.

56, 83.138, 49.900

56, 83.138, 49.900

100, 83.138,
49.900

46, 83.138, 49.900

76, 83.138, 49.900

36, 83.138, 49.900

86, 83.138, 49.900

26, 83.138, 49.900

96, 83.138, 49.900

16, 83.138, 49.900

6, 83.138, 49.900

0, 83.138, 49.900

56, 83.138, 49.900

56, 83.138, 49.900

55, 86.435, 49.048

59, 75.113, 51.259

62, 65.366, 51.944

65, 55.167, 52.410

69, 45.168, 52.867

73, 35.651, 53.394

77, 26.719, 54.005

81, 18.388, 54.693

85, 10.634, 55.432

90, 3.410, 56.131

Harmonies

Complementary

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



56, 83.138, 49.900



62, 47.666, 261.681

Rectangle

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



56, 83.138, 49.900



56, 83.138, 99.900



56, 83.138, 229.900



56, 83.138, 279.900

Sweetspot

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



56, 83.135, 49.902



87, 22.538, 54.468



52, 83.810, 346.636



44, 15.811, 54.170



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, 83.135, 49.902



60, 93.105, 48.861



80, 79.909, 91.157



46, 3.922, 55.842



43, 70.667, 49.661



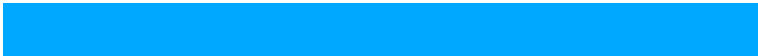
10, 21.806, 44.298

Inverse Universe

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



62, 47.666, 261.681



66, 53.243, 264.546



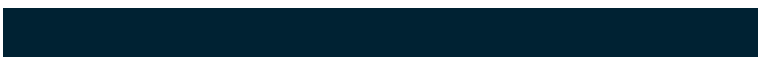
34, 109.080, 302.689



46, 3.747, 237.657



47, 40.170, 263.291



12, 15.439, 253.862

Previews

White Background



This preview shows how the CIELCh color 56, 83.138, 49.900 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, 83.138, 49.900 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, 83.138, 49.900

Background



This preview shows how black text looks on a background with the CIELCh color 56, 83.138, 49.900.



This preview shows how white text looks on a background with the CIELCh color 56, 83.138, 49.900.

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, 83.138, 49.900

Protanopia

56, 55.324, 95.151

Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 66.591, 27.384

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 83.138, 49.900 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(232, 87, 12)` looks like.

```
.text, #text, p{  
    color:rgb(232, 87, 12)  
}
```

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(232, 87, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 87, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 83.138, 49.900 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(232, 87, 12) }
```

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

```
.border{ border-color:rgb(232, 87, 12) }
```

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

Here you see how a box with a 4 pixel rgb(232, 87, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 87, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 87, 12);  
box-shadow:4px 4px 4px 4px rgb(232, 87,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 83.138, 49.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 87, 12) }
```

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

```
.background{ background-color: rgb(232, 87,  
12) }
```

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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