

Converting Colors

CIELCh(55, 83.113, 51.506)

Have a look what the booklet for
CIELCh(55, 83.113, 51.506) contains.

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Color

CIELCh(55, 82.939, 51.383)

Conversions

Conversions Part 1

Format	Color
Hex	E25600
RGB	226, 86, 0
RGB Percent	89%, 34%, 0%
CMY	0.1123, 0.6616, 0.9983
CMYK	0.00, 0.62, 1.00, 0.11
HSL	23°, 100%, 44%
HSV	23°, 100%, 89%
XYZ	34.8290, 22.9298, 2.6024
YIQ	118.0560, 111.0460, 2.9340

Conversions

Conversions Part 2

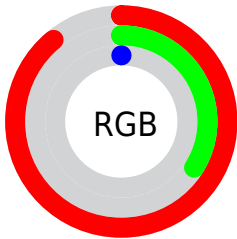
Format	Color
R_{YB}	226, 139, 0
Decimal	14833152
CIE _{Lab}	55.00, 51.76, 64.80
CIE _{LCh}	55, 82.939, 51.383
Yxy	22.9298, 0.5770, 0.3799
Android (android.graphics.Color)	4293023232 (0xFFE25600)
YUV	118.0560, -58.2016, 94.6669
Hunter-Lab	47.8851, 46.0321, 30.2973

Details

The CIELCh color **55, 82.939, 51.383** 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 **56, 52.180, 270.143**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 69.267, 56.577**, and **35, 71.166, 42.892** is the 20% darker color. If you saturate the color by 10%, you get **55, 83.059, 51.353**, and if you desaturate by 10%, it is **58, 76.378, 53.372**.

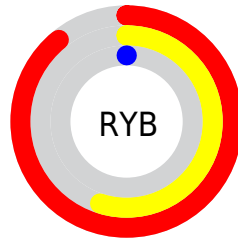
Distribution



Red (89%)

Green (34%)

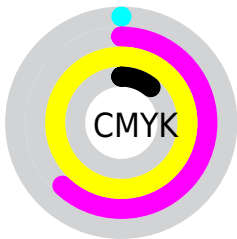
Blue (0%)



Red (89%)

Yellow (55%)

Blue (0%)

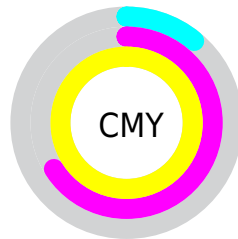


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (66%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 82.939, 51.383 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 55, 82.939, 51.383 by changing the saturation by 10% instead.

■ 55, 82.939, 51.383

■ 55, 82.939, 51.383

■ 100, 82.939,
51.383

■ 45, 82.939, 51.383

■ 75, 82.939, 51.383

■ 35, 82.939, 51.383

■ 85, 82.939, 51.383

■ 25, 82.939, 51.383

■ 95, 82.939, 51.383

■ 15, 82.939, 51.383

■ 5, 82.939, 51.383

■ 0, 82.939, 51.383

■ 55, 82.939, 51.383

■ 55, 82.939, 51.383

■ 55, 83.059, 51.353

■ 58, 76.378, 53.372

■ 60, 67.814, 54.666

63, 58.238, 55.534

67, 48.543, 56.277

70, 39.156, 57.024

74, 30.253, 57.820

78, 21.889, 58.669

82, 14.061, 59.561

86, 6.735, 60.462

Harmonies

Complementary

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



55, 82.939, 51.383



56, 52.180, 270.143

Rectangle

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



55, 82.939, 51.383



55, 82.939, 101.383



55, 82.939, 231.383



55, 82.939, 281.383

Sweetspot

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



55, 82.936, 51.385



87, 24.296, 58.636



50, 80.949, 350.435



44, 16.819, 58.270



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 82.936, 51.385



61, 91.096, 51.101



80, 80.745, 93.301



45, 3.866, 60.494



43, 68.415, 51.994



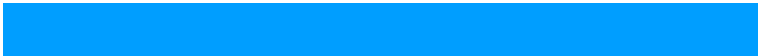
10, 20.154, 47.270

Inverse Universe

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



56, 52.180, 270.143



63, 57.476, 270.603



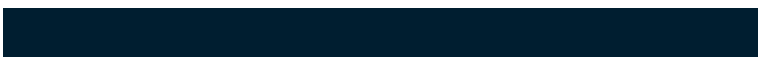
31, 114.686, 304.498



45, 3.714, 242.552



44, 42.753, 269.307



10, 15.663, 259.247

Previews

White Background



This preview shows how the CIELCh color 55, 82.939, 51.383 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 55, 82.939, 51.383 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 55, 82.939, 51.383

Background



This preview shows how black text looks on a background with the CIELCh color 55, 82.939, 51.383.



This preview shows how white text looks on a background with the CIELCh color 55, 82.939, 51.383.

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

55, 82.939, 51.383

Protanopia

55, 55.676, 95.547

Deuteranopia

55, 61.188, 83.990



Tritanopia
55, 64.459, 26.679

Trichromacy



Original Color
55, 82.939, 51.383

Protanomaly
54, 60.016, 73.751

Deuteranomaly
54, 66.198, 68.651

Tritanomaly
55, 71.501, 39.829

Monochromacy



Original Color
55, 82.939, 51.383

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 30.603, 56.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 82.939, 51.383 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(226, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(226, 86, 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(226, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 86, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 82.939, 51.383 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(226, 86, 0) }
```

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

```
.border{ border-color:rgb(226, 86, 0) }
```

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

Here you see how a box with a 4 pixel rgb(226, 86, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(226, 86, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 82.939, 51.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 86, 0) }
```

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

```
.background{ background-color: rgb(226, 86,  
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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