

Converting Colors

CIELCh(55, 86.668, 55.412)

Have a look what the booklet for
CIELCh(55, 86.668, 55.412) contains.

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Color

CIELCh(55, 81.604, 52.471)

Conversions

Conversions Part 1

Format	Color
Hex	E05900
RGB	224, 89, 0
RGB Percent	88%, 35%, 0%
CMY	0.1224, 0.6516, 1.0000
CMYK	0.00, 0.60, 1.00, 0.12
HSL	24°, 100%, 44%
HSV	24°, 100%, 88%
XYZ	34.2329, 22.9298, 2.6143
YIQ	119.2190, 109.0290, 0.9410

Conversions

Conversions Part 2

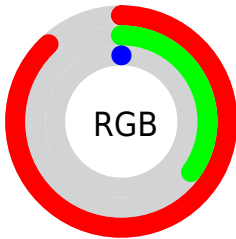
Format	Color
R_{YB}	224, 148, 0
Decimal	14702848
CIE _{Lab}	55.00, 49.71, 64.72
CIE _{LCh}	55, 81.604, 52.471
Yxy	22.9298, 0.5727, 0.3836
Android (android.graphics.Color)	4292892928 (0xFFE05900)
YUV	119.2190, -58.7750, 91.8929
Hunter-Lab	47.8851, 43.8100, 30.2826

Details

The CIELCh color **55, 81.604, 52.471** 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 **55, 53.592, 272.610**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 68.974, 57.922**, and **35, 69.551, 43.943** is the 20% darker color. If you saturate the color by 10%, you get **55, 81.561, 52.450**, and if you desaturate by 10%, it is **58, 75.238, 54.563**.

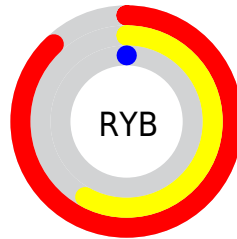
Distribution



Red (88%)

Green (35%)

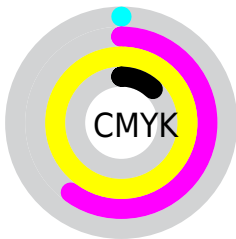
Blue (0%)



Red (88%)

Yellow (58%)

Blue (0%)

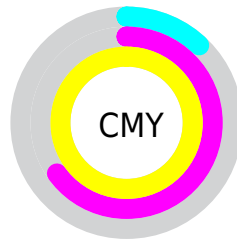


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (12%)



Cyan (12%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 81.604, 52.471 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, 81.604, 52.471 by changing the saturation by 10% instead.

■ 55, 81.604, 52.471

■ 55, 81.604, 52.471

■ 100, 81.604,
52.471

■ 45, 81.604, 52.471

■ 75, 81.604, 52.471

■ 35, 81.604, 52.471

■ 85, 81.604, 52.471

■ 25, 81.604, 52.471

■ 95, 81.604, 52.471

■ 15, 81.604, 52.471

■ 5, 81.604, 52.471

■ 0, 81.604, 52.471

■ 55, 81.604, 52.471

■ 55, 81.604, 52.471

■ 55, 81.561, 52.450

■ 58, 75.238, 54.563

■ 60, 66.962, 56.008

63, 57.632, 57.013

67, 48.137, 57.873

70, 38.910, 58.722

74, 30.133, 59.605

77, 21.867, 60.530

81, 14.110, 61.489

85, 6.833, 62.449

Harmonies

Complementary

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



55, 81.604, 52.471



55, 53.592, 272.610

Rectangle

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



55, 81.604, 52.471



55, 81.604, 102.471



55, 81.604, 232.471



55, 81.604, 282.471

Sweetspot

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



55, 81.561, 52.450



87, 24.327, 60.510



49, 79.614, 351.880



45, 16.831, 60.112



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, 81.561, 52.450



62, 90.236, 52.166



80, 80.907, 94.613



45, 3.881, 62.501



44, 67.790, 53.077



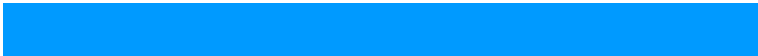
10, 20.022, 48.992

Inverse Universe

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



55, 53.592, 272.610



62, 59.499, 273.009



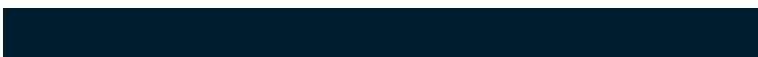
30, 115.154, 304.852



45, 3.737, 244.651



43, 44.209, 271.730



10, 16.052, 261.709

Previews

White Background



This preview shows how the CIELCh color 55, 81.604, 52.471 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, 81.604, 52.471 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, 81.604, 52.471

Background



This preview shows how black text looks on a background with the CIELCh color 55, 81.604, 52.471.



This preview shows how white text looks on a background with the CIELCh color 55, 81.604, 52.471.

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, 81.604, 52.471

Protanopia

55, 55.950, 95.550

Deuteranopia

55, 61.188, 83.990



Tritanopia
55, 62.221, 26.086

Trichromacy



Original Color
55, 81.604, 52.471

Protanomaly
54, 59.987, 74.761

Deuteranomaly
54, 65.900, 68.955

Tritanomaly
55, 69.431, 40.217

Monochromacy



Original Color
55, 81.604, 52.471

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 30.121, 58.500

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 81.604, 52.471 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(224, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 89, 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(224, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 89, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 81.604, 52.471 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(224, 89, 0) }
```

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

```
.border{ border-color:rgb(224, 89, 0) }
```

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

Here you see how a box with a 4 pixel rgb(224, 89, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 89, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 81.604, 52.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 89, 0) }
```

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

```
.background{ background-color: rgb(224, 89,  
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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