

Converting Colors

CIELCh(56, 89.997, 47.652)

Have a look what the booklet for
CIELCh(56, 89.997, 47.652) contains.

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Color

CIELCh(56, 90.048, 47.729)

Conversions

Conversions Part 1

Format	Color
Hex	F14D01
RGB	241, 77, 1
RGB Percent	95%, 30%, 0%
CMY	0.0562, 0.6991, 0.9976
CMYK	0.00, 0.68, 1.00, 0.06
HSL	19°, 99%, 47%
HSV	19°, 100%, 94%
XYZ	38.8016, 23.9124, 2.5881
YIQ	117.3720, 122.1400, 11.1320

Conversions

Conversions Part 2

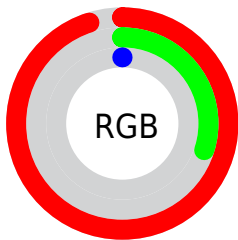
Format	Color
RYB	241, 112, 1
Decimal	15813889
CIELab	56.00, 60.57, 66.63
CIElCh	56, 90.048, 47.729
Yxy	23.9124, 0.5942, 0.3662
Android (android.graphics.Color)	4294003969 (0xFFFF14D01)
YUV	117.3720, -57.3714, 108.4218
Hunter-Lab	48.9003, 56.0613, 31.0922

Details

The CIELCh color **56, 90.048, 47.729** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **64, 48.561, 260.034**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 69.964, 53.953**, and **36, 79.131, 39.953** is the 20% darker color. If you saturate the color by 10%, you get **56, 90.224, 47.701**, and if you desaturate by 10%, it is **59, 82.727, 49.176**.

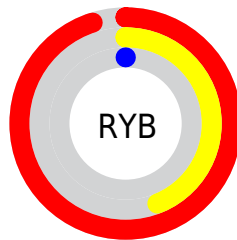
Distribution



Red (95%)

Green (30%)

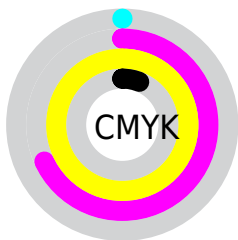
Blue (0%)



Red (95%)

Yellow (44%)

Blue (0%)

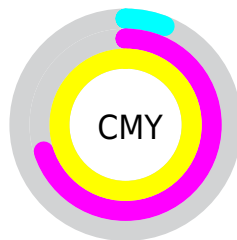


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (6%)



Cyan (6%)

Magenta (70%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 90.048, 47.729 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, 90.048, 47.729 by changing the saturation by 10% instead.

56, 90.048, 47.729

56, 90.048, 47.729

100, 90.048,
47.729

46, 90.048, 47.729

76, 90.048, 47.729

36, 90.048, 47.729

86, 90.048, 47.729

26, 90.048, 47.729

96, 90.048, 47.729

16, 90.048, 47.729

6, 90.048, 47.729

0, 90.048, 47.729

56, 90.048, 47.729

56, 90.048, 47.729

56, 90.224, 47.701

59, 82.727, 49.176

62, 73.118, 49.866

65, 62.506, 50.167

69, 51.871, 50.407

73, 41.656, 50.717

77, 32.039, 51.132

81, 23.071, 51.649

86, 14.740, 52.248

90, 7.007, 52.885

Harmonies

Complementary

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



56, 90.048, 47.729



64, 48.561, 260.034

Rectangle

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



56, 90.048, 47.729



56, 90.048, 97.729



56, 90.048, 227.729



56, 90.048, 277.729

Sweetspot

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



56, 90.045, 47.731



86, 24.420, 51.630



53, 87.159, 346.479



44, 16.934, 51.401



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, 90.045, 47.731



59, 94.371, 47.596



81, 82.269, 89.082



48, 4.069, 52.901



43, 73.186, 48.287



11, 24.618, 43.537

Inverse Universe

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



64, 48.561, 260.034



68, 50.904, 260.338



34, 115.283, 303.305



48, 3.874, 234.545



50, 39.336, 259.201



14, 16.051, 250.889

Previews

White Background



This preview shows how the CIELCh color 56, 90.048, 47.729 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, 90.048, 47.729 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, 90.048, 47.729

Background



This preview shows how black text looks on a background with the CIELCh color 56, 90.048, 47.729.



This preview shows how white text looks on a background with the CIELCh color 56, 90.048, 47.729.

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, 90.048, 47.729

Protanopia

56, 55.625, 95.158

Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 74.205, 29.593

Trichromacy



Original Color
56, 90.048, 47.729

Protanomaly
54, 61.560, 70.006

Deuteranomaly
55, 68.612, 65.248

Tritanomaly
56, 80.917, 39.129

Monochromacy



Original Color
56, 90.048, 47.729

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 32.976, 49.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 90.048, 47.729 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(241, 77, 1)` looks like.

```
.text, #text, p{  
    color:rgb(241, 77, 1)  
}
```

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(241, 77, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 77, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 90.048, 47.729 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(241, 77, 1) }
```

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

```
.border{ border-color:rgb(241, 77, 1) }
```

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

Here you see how a box with a 4 pixel rgb(241, 77, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 77, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 77, 1);  
box-shadow:4px 4px 4px 4px rgb(241, 77, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 90.048, 47.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 77, 1) }
```

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

```
.background{ background-color: rgb(241, 77,  
1) }
```

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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