

Converting Colors

CIELCh(56, 90.309, 46.000)

Have a look what the booklet for
CIELCh(56, 90.309, 46.000) contains.

CIELCh(56, 90.286, 45.953)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(56, 90.286, 45.953)

Conversions

Conversions Part 1

Format	Color
Hex	F3490A
RGB	243, 73, 10
RGB Percent	95%, 29%, 4%
CMY	0.0461, 0.7128, 0.9595
CMYK	0.00, 0.70, 0.96, 0.05
HSL	16°, 92%, 50%
HSV	16°, 96%, 95%
XYZ	39.4966, 23.9124, 2.8300
YIQ	116.6480, 121.5430, 16.4470

Conversions

Conversions Part 2

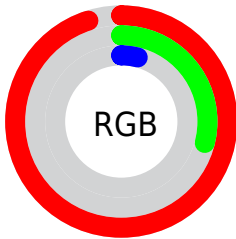
Format	Color
R_{YB}	243, 96, 10
Decimal	15943946
CIE _{Lab}	56.00, 62.77, 64.89
CIE _{LCh}	56, 90.286, 45.953
Yxy	23.9124, 0.5963, 0.3610
Android (android.graphics.Color)	4294134026 (0xFFFF3490A)
YUV	116.6480, -52.5775, 110.8107
Hunter-Lab	48.9003, 58.5983, 30.7990

Details

The CIELCh color **56, 90.286, 45.953** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **69, 44.666, 249.197**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 69.020, 51.646**, and **37, 79.473, 39.961** is the 20% darker color. If you saturate the color by 10%, you get **55, 93.251, 45.548**, and if you desaturate by 10%, it is **59, 81.685, 46.626**.

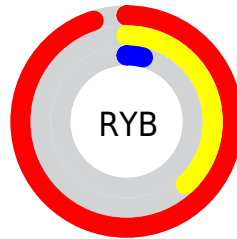
Distribution



Red (95%)

Green (29%)

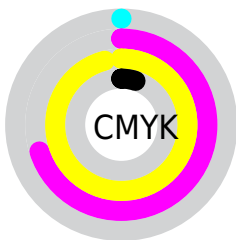
Blue (4%)



Red (95%)

Yellow (38%)

Blue (4%)

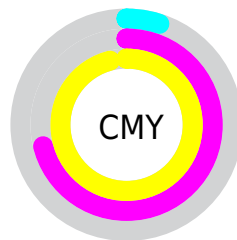


Cyan (0%)

Magenta (70%)

Yellow (96%)

Black (5%)



Cyan (5%)

Magenta (71%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 90.286, 45.953 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, 90.286, 45.953 by changing the saturation by 10% instead.

56, 90.286, 45.953

56, 90.286, 45.953

100, 90.286,
45.953

46, 90.286, 45.953

76, 90.286, 45.953

36, 90.286, 45.953

86, 90.286, 45.953

26, 90.286, 45.953

96, 90.286, 45.953

16, 90.286, 45.953

6, 90.286, 45.953

0, 90.286, 45.953

56, 90.286, 45.953

56, 90.286, 45.953

55, 93.251, 45.548

59, 81.685, 46.626

62, 71.064, 46.581

66, 59.937, 46.366

70, 49.049, 46.220

74, 38.716, 46.218

78, 29.059, 46.369

83, 20.099, 46.650

88, 11.812, 47.029

93, 4.149, 47.418

Harmonies

Complementary

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



56, 90.286, 45.953



69, 44.666, 249.197

Rectangle

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



56, 90.286, 45.953



56, 90.286, 95.953



56, 90.286, 225.953



56, 90.286, 275.953

Sweetspot

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



56, 90.283, 45.955



85, 23.829, 46.544



55, 90.711, 342.106



43, 16.638, 46.426



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, 90.283, 45.955



58, 96.737, 45.472



79, 80.514, 85.347



49, 4.177, 47.288



42, 75.826, 46.055



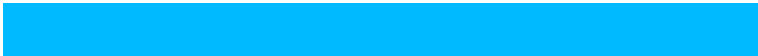
11, 26.478, 40.494

Inverse Universe

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



69, 44.666, 249.197



71, 47.221, 251.397



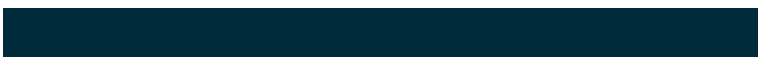
38, 105.907, 300.612



49, 3.956, 228.549



53, 37.016, 250.363



16, 15.806, 243.001

Previews

White Background



This preview shows how the CIELCh color 56, 90.286, 45.953 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, 90.286, 45.953 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, 90.286, 45.953

Background



This preview shows how black text looks on a background with the CIELCh color 56, 90.286, 45.953.



This preview shows how white text looks on a background with the CIELCh color 56, 90.286, 45.953.

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, 90.286, 45.953

Protanopia

56, 54.622, 95.627

Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 76.828, 30.298

Trichromacy



Original Color
56, 90.286, 45.953

Protanomaly
54, 60.665, 68.594

Deuteranomaly
55, 68.360, 64.220

Tritanomaly
56, 82.220, 37.933

Monochromacy



Original Color
56, 90.286, 45.953

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 32.494, 46.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 90.286, 45.953 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(243, 73, 10)` looks like.

```
.text, #text, p{  
    color:rgb(243, 73, 10)  
}
```

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(243, 73, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 73, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 90.286, 45.953 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(243, 73, 10) }
```

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

```
.border{ border-color:rgb(243, 73, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 73, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 73, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 73, 10);  
box-shadow:4px 4px 4px 4px rgb(243, 73,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 90.286, 45.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 73, 10) }
```

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

```
.background{ background-color: rgb(243, 73,  
10) }
```

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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