

Converting Colors

CIELCh(56, 93.867, 44.346)

Have a look what the booklet for
CIELCh(56, 93.867, 44.346) contains.

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Color

CIELCh(56, 94.109, 44.306)

Conversions

Conversions Part 1

Format	Color
Hex	F94109
RGB	249, 65, 9
RGB Percent	98%, 25%, 4%
CMY	0.0239, 0.7454, 0.9652
CMYK	0.00, 0.74, 0.96, 0.02
HSL	14°, 95%, 51%
HSV	14°, 96%, 98%
XYZ	40.9674, 23.9124, 2.7114
YIQ	113.6320, 127.6400, 21.5920

Conversions

Conversions Part 2

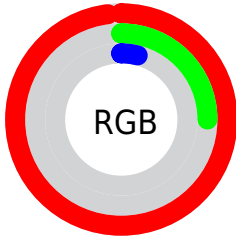
Format	Color
RYB	249, 82, 9
Decimal	16335113
CIELab	56.00, 67.35, 65.73
CIElCh	56, 94.109, 44.306
Yxy	23.9124, 0.6061, 0.3538
Android (android.graphics.Color)	4294525193 (0xFF94109)
YUV	113.6320, -51.5836, 118.7177
Hunter-Lab	48.9003, 63.9671, 30.9428

Details

The CIELCh color **56, 94.109, 44.306** 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 **73, 43.857, 242.099**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 70.275, 49.402**, and **38, 81.502, 39.993** is the 20% darker color. If you saturate the color by 10%, you get **55, 96.621, 44.127**, and if you desaturate by 10%, it is **59, 85.465, 44.614**.

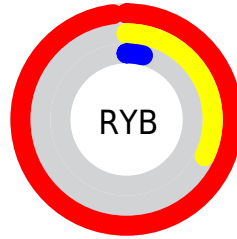
Distribution



Red (98%)

Green (25%)

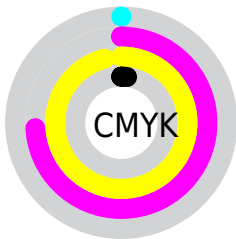
Blue (4%)



Red (98%)

Yellow (32%)

Blue (4%)

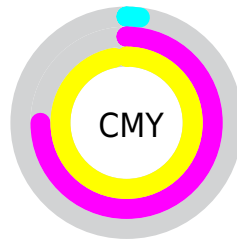


Cyan (0%)

Magenta (74%)

Yellow (96%)

Black (2%)



Cyan (2%)

Magenta (75%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 94.109, 44.306 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, 94.109, 44.306 by changing the saturation by 10% instead.

 56, 94.109, 44.306

 56, 94.109, 44.306

 100, 94.109,
44.306

 46, 94.109, 44.306

 76, 94.109, 44.306

 36, 94.109, 44.306

 86, 94.109, 44.306

 26, 94.109, 44.306

 96, 94.109, 44.306

 16, 94.109, 44.306

 6, 94.109, 44.306

 0, 94.109, 44.306

 56, 94.109, 44.306

 56, 94.109, 44.306

 55, 96.621, 44.127

 59, 85.465, 44.614

 62, 74.529, 44.156

66, 62.977, 43.547

70, 51.630, 43.050

74, 40.842, 42.744

79, 30.754, 42.629

84, 21.400, 42.678

89, 12.764, 42.851

94, 4.795, 43.066

Harmonies

Complementary

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



56, 94.109, 44.306



73, 43.857, 242.099

Rectangle

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



56, 94.109, 44.306



56, 94.109, 94.306



56, 94.109, 224.306



56, 94.109, 274.306

Sweetspot

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



56, 94.106, 44.308



85, 24.208, 42.651



56, 94.478, 340.040



43, 16.909, 42.629



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, 94.106, 44.308



57, 98.453, 44.093



79, 81.144, 82.189



49, 4.306, 43.009



42, 78.007, 44.585



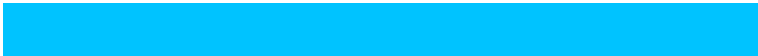
11, 28.245, 38.599

Inverse Universe

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



73, 43.857, 242.099



74, 45.188, 243.761



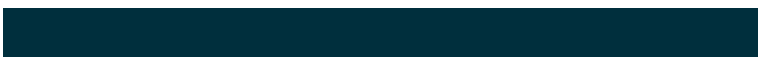
41, 103.994, 299.437



51, 4.065, 223.946



56, 35.888, 242.855



17, 15.888, 236.518

Previews

White Background



This preview shows how the CIELCh color 56, 94.109, 44.306 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, 94.109, 44.306 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, 94.109, 44.306

Background



This preview shows how black text looks on a background with the CIELCh color 56, 94.109, 44.306.



This preview shows how white text looks on a background with the CIELCh color 56, 94.109, 44.306.

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, 94.109, 44.306

Protanopia

56, 54.298, 95.621

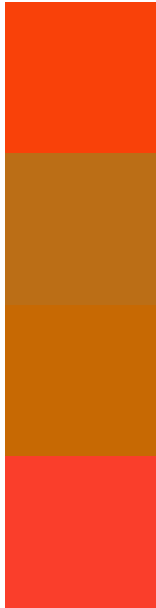
Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 82.787, 32.320

Trichromacy



Original Color
56, 94.109, 44.306

Protanomaly
54, 61.416, 66.328

Deuteranomaly
54, 69.533, 62.463

Tritanomaly
56, 87.666, 37.988

Monochromacy



Original Color
56, 94.109, 44.306

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 34.079, 42.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 94.109, 44.306 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(249, 65, 9)` looks like.

```
.text, #text, p{  
    color:rgb(249, 65, 9)  
}
```

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(249, 65, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 65, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 94.109, 44.306 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(249, 65, 9) }
```

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

```
.border{ border-color:rgb(249, 65, 9) }
```

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

Here you see how a box with a 4 pixel rgb(249, 65, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 65, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 65, 9);  
box-shadow:4px 4px 4px 4px rgb(249, 65, 9)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 94.109, 44.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 65, 9) }
```

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

```
.background{ background-color: rgb(249, 65,  
9) }
```

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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