

Converting Colors

CIELCh(55, 94.162, 43.151)

Have a look what the booklet for
CIELCh(55, 94.162, 43.151) contains.

CIELCh(55, 94.069, 43.151)	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(55, 94.069, 43.151)

Conversions

Conversions Part 1

Format	Color
Hex	F73B0C
RGB	247, 59, 12
RGB Percent	97%, 23%, 5%
CMY	0.0314, 0.7686, 0.9529
CMYK	0.00, 0.76, 0.95, 0.03
HSL	12°, 94%, 51%
HSV	12°, 95%, 97%
XYZ	39.9899, 22.9298, 2.6662
YIQ	109.8540, 127.1350, 25.2390

Conversions

Conversions Part 2

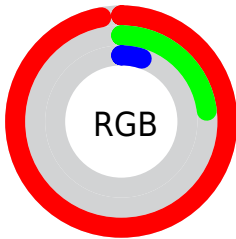
Format	Color
RYB	247, 71, 12
Decimal	16202508
CIELab	55.00, 68.63, 64.34
CIElCh	55, 94.069, 43.151
Yxy	22.9298, 0.6097, 0.3496
Android (android.graphics.Color)	4294392588 (0xFFFF73B0C)
YUV	109.8540, -48.2420, 120.2770
Hunter-Lab	47.8851, 65.2703, 30.2183

Details

The CIELCh color **55, 94.069, 43.151** 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 **75, 42.538, 234.450**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 70.806, 47.117**, and **38, 80.830, 39.985** is the 20% darker color. If you saturate the color by 10%, you get **54, 97.442, 43.074**, and if you desaturate by 10%, it is **58, 85.013, 42.879**.

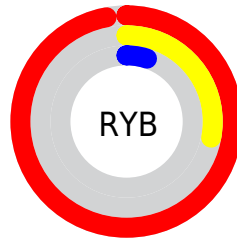
Distribution



Red (97%)

Green (23%)

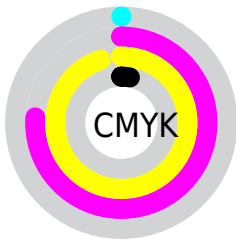
Blue (5%)



Red (97%)

Yellow (28%)

Blue (5%)

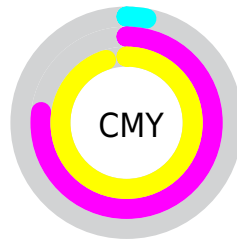


Cyan (0%)

Magenta (76%)

Yellow (95%)

Black (3%)



Cyan (3%)

Magenta (77%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 94.069, 43.151 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, 94.069, 43.151 by changing the saturation by 10% instead.

 55, 94.069, 43.151

 55, 94.069, 43.151

 100, 94.069,
43.151

 45, 94.069, 43.151

 75, 94.069, 43.151

 35, 94.069, 43.151

 85, 94.069, 43.151

 25, 94.069, 43.151

 95, 94.069, 43.151

 15, 94.069, 43.151

 5, 94.069, 43.151

 0, 94.069, 43.151

 55, 94.069, 43.151

 55, 94.069, 43.151

 54, 97.442, 43.074

 58, 85.013, 42.879

 61, 73.864, 41.956

65, 62.218, 40.983

69, 50.817, 40.195

73, 39.987, 39.645

78, 29.863, 39.320

84, 20.482, 39.182

89, 11.827, 39.183

94, 3.851, 39.213

Harmonies

Complementary

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



55, 94.069, 43.151



75, 42.538, 234.450

Rectangle

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



55, 94.069, 43.151



55, 94.069, 93.151



55, 94.069, 223.151



55, 94.069, 273.151

Sweetspot

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



55, 94.066, 43.153



84, 24.651, 39.216



56, 96.182, 337.829



42, 17.222, 39.282



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, 94.066, 43.153



56, 99.877, 43.035



77, 79.753, 79.427



48, 4.306, 39.216



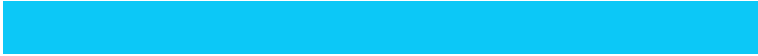
41, 78.349, 43.491



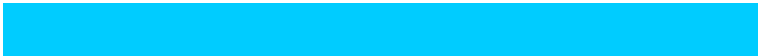
10, 27.474, 35.837

Inverse Universe

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



75, 42.538, 234.450



76, 44.028, 236.440



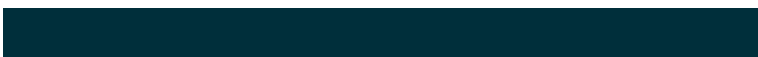
43, 97.133, 297.403



50, 4.057, 219.848



57, 34.686, 235.599



17, 15.292, 229.814

Previews

White Background



This preview shows how the CIELCh color 55, 94.069, 43.151 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, 94.069, 43.151 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, 94.069, 43.151

Background



This preview shows how black text looks on a background with the CIELCh color 55, 94.069, 43.151.



This preview shows how white text looks on a background with the CIELCh color 55, 94.069, 43.151.

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, 94.069, 43.151

Protanopia

55, 52.469, 95.434

Deuteranopia

55, 61.071, 83.449



Tritanopia
55, 84.680, 33.126

Trichromacy



Original Color
55, 94.069, 43.151

Protanomaly
52, 59.895, 64.091

Deuteranomaly
53, 68.859, 61.344

Tritanomaly
55, 88.766, 37.731

Monochromacy



Original Color
55, 94.069, 43.151

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 34.459, 39.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 94.069, 43.151 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(247, 59, 12)` looks like.

```
.text, #text, p{  
    color:rgb(247, 59, 12)  
}
```

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(247, 59, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 59, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 94.069, 43.151 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(247, 59, 12) }
```

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

```
.border{ border-color:rgb(247, 59, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 59, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 59, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 59, 12);  
box-shadow:4px 4px 4px 4px rgb(247, 59,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 94.069, 43.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 59, 12) }
```

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

```
.background{ background-color: rgb(247, 59,  
12) }
```

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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