

Converting Colors

CIELCh(55, 100.782, 42.399)

Have a look what the booklet for
CIELCh(55, 100.782, 42.399)
contains.

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Color

CIELCh(55, 100.593, 42.323)

Conversions

Conversions Part 1	
Format	Color
Hex	FE2C00
RGB	254, 44, 0
RGB Percent	100%, 17%, 0%
CMY	0.0031, 0.8264, 0.9992
CMYK	0.00, 0.83, 1.00, 0.00
HSL	10°, 100%, 50%
HSV	10°, 100%, 100%
XYZ	41.8582, 22.9298, 2.2256
YIQ	101.7740, 139.2840, 30.8360

Conversions

Conversions Part 2

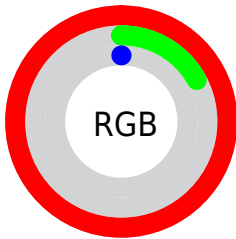
Format	Color
RYB	254, 53, 0
Decimal	16657408
CIELab	55.00, 74.37, 67.73
CIELCh	55, 100.593, 42.323
Yxy	22.9298, 0.6246, 0.3422
Android (android.graphics.Color)	4294847488 (0xFFFE2C00)
YUV	101.7740, -50.1746, 133.5022
Hunter-Lab	47.8851, 72.2348, 30.7639

Details

The CIELCh color **55, 100.593, 42.323** 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 **78, 43.485, 230.493**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 74.500, 46.094**, and **39, 82.832, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **55, 100.645, 42.329**, and if you desaturate by 10%, it is **57, 92.965, 42.096**.

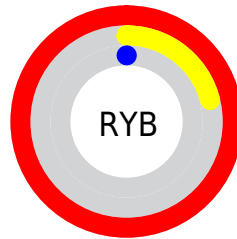
Distribution



Red (100%)

Green (17%)

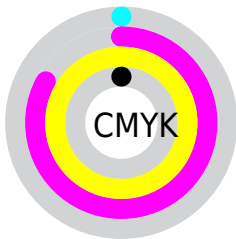
Blue (0%)



Red (100%)

Yellow (21%)

Blue (0%)

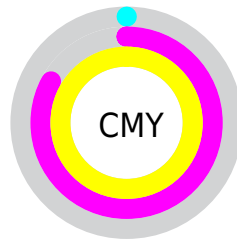


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (83%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 100.593, 42.323 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, 100.593, 42.323 by changing the saturation by 10% instead.


 55, 100.593,
42.323


 55, 100.593,
42.323


 100, 100.593,
42.323


 45, 100.593,
42.323


 75, 100.593,
42.323

 35, 100.593,
42.323

 85, 100.593,
42.323

 25, 100.593,
42.323

 95, 100.593,
42.323

 15, 100.593,
42.323

 5, 100.593, 42.323

 0, 100.593, 42.323

■ 55, 100.593,
42.323

■ 55, 100.593,
42.323

■ 55, 100.645,
42.329

■ 57, 92.965, 42.096

■ 60, 82.315, 41.033

■ 64, 70.431, 39.713

■ 68, 58.460, 38.541

■ 72, 46.916, 37.639

■ 77, 36.030, 37.009

■ 83, 25.893, 36.613

■ 88, 16.523, 36.401

■ 94, 7.889, 36.309

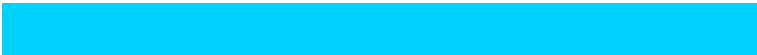
Harmonies

Complementary

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



55, 100.593, 42.323



78, 43.485, 230.493

Rectangle

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



55, 100.593, 42.323



55, 100.593, 92.323



55, 100.593, 222.323



55, 100.593, 272.323

Sweetspot

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



55, 100.589, 42.325



83, 26.039, 36.615



58, 100.979, 336.374



42, 18.084, 36.758



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, 100.589, 42.325



55, 100.889, 42.326



76, 82.294, 75.046



50, 4.526, 36.305



42, 80.838, 42.689



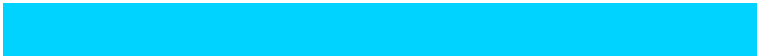
11, 30.369, 35.721

Inverse Universe

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



78, 43.485, 230.493



78, 43.594, 230.527



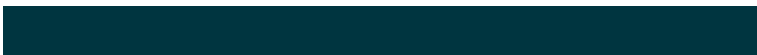
44, 99.521, 297.288



52, 4.258, 216.697



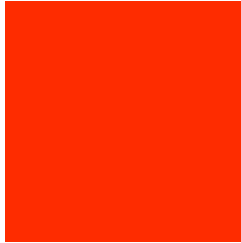
60, 35.095, 229.866



20, 16.143, 225.314

Previews

White Background



This preview shows how the CIELCh color 55, 100.593, 42.323 looks on a white background.

Color Contrast Check

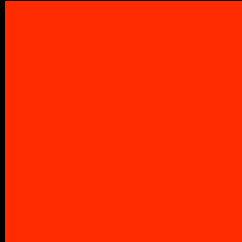
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 55, 100.593, 42.323 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, 100.593, 42.323

Background



This preview shows how black text looks on a background with the CIELCh color 55, 100.593, 42.323.



This preview shows how white text looks on a background with the CIELCh color 55, 100.593, 42.323.

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, 100.593, 42.323

Protanopia

55, 52.896, 94.934

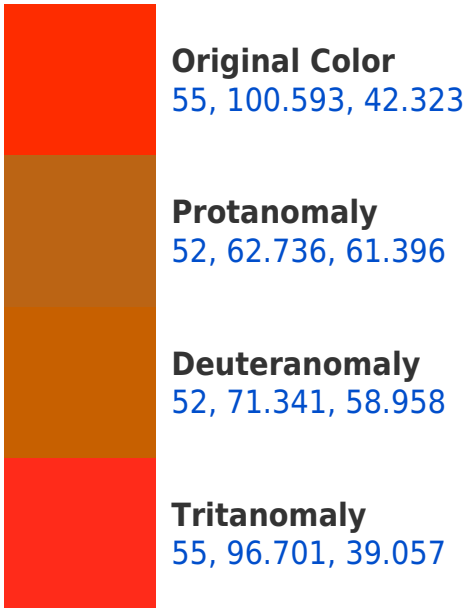
Deuteranopia

55, 61.188, 83.990

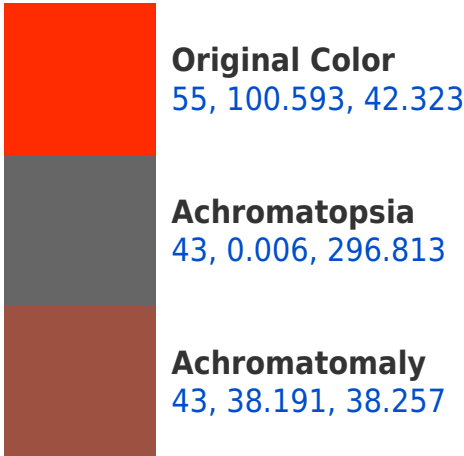


Tritanopia
55, 93.422, 36.038

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 100.593, 42.323 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(254, 44, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 44, 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(254, 44, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 44, 0) }
```

Border

The CSS property to change the border of an element to CIElCh 55, 100.593, 42.323 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(254, 44, 0) }
```

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

```
.border{ border-color:rgb(254, 44, 0) }
```

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

Here you see how a box with a 4 pixel rgb(254, 44, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 44, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 44, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 44, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 100.593, 42.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 44, 0) }
```

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

```
.background{ background-color: rgb(254, 44,  
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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