

Converting Colors

CIELCh(52, 95.508, 42.649)

Have a look what the booklet for
CIELCh(52, 95.508, 42.649) contains.

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Color

CIELCh(52, 95.586, 42.671)

Conversions

Conversions Part 1

Format	Color
Hex	EF2C00
RGB	239, 44, 0
RGB Percent	94%, 17%, 0%
CMY	0.0629, 0.8275, 1.0000
CMYK	0.00, 0.82, 1.00, 0.06
HSL	11°, 100%, 47%
HSV	11°, 100%, 94%
XYZ	36.4859, 20.1443, 1.9643
YIQ	97.2890, 130.3440, 27.6560

Conversions

Conversions Part 2

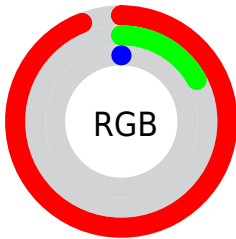
Format	Color
R_{YB}	239, 54, 0
Decimal	15674368
CIE _{Lab}	52.00, 70.28, 64.79
CIE _{LCh}	52, 95.586, 42.671
Yxy	20.1443, 0.6227, 0.3438
Android (android.graphics.Color)	4293864448 (0xFFEF2C00)
YUV	97.2890, -47.9635, 124.2805
Hunter-Lab	44.8824, 66.5623, 28.8228

Details

The CIELCh color **52, 95.586, 42.671** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **73, 41.610, 232.737**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 75.693, 45.593**, and **36, 78.096, 39.924** is the 20% darker color. If you saturate the color by 10%, you get **52, 95.578, 42.670**, and if you desaturate by 10%, it is **54, 88.102, 42.490**.

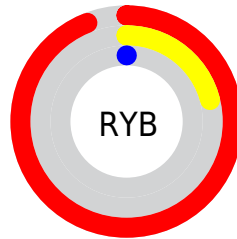
Distribution



Red (94%)

Green (17%)

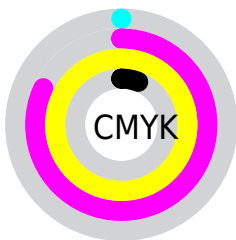
Blue (0%)



Red (94%)

Yellow (21%)

Blue (0%)

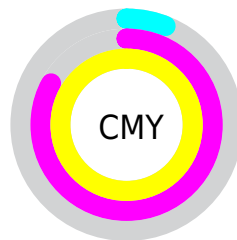


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (6%)



Cyan (6%)

Magenta (83%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 95.586, 42.671 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 52, 95.586, 42.671 by changing the saturation by 10% instead.

■ 52, 95.586, 42.671

■ 52, 95.586, 42.671

■ 100, 95.586,
42.671

■ 42, 95.586, 42.671

■ 72, 95.586, 42.671

■ 32, 95.586, 42.671

■ 82, 95.586, 42.671

■ 22, 95.586, 42.671

■ 92, 95.586, 42.671

■ 12, 95.586, 42.671

■ 2, 95.586, 42.671

■ 0, 95.586, 42.671

■ 52, 95.586, 42.671

■ 52, 95.586, 42.671

■ 52, 95.578, 42.670

■ 54, 88.102, 42.490

■ 57, 77.933, 41.559

60, 66.645, 40.372

64, 55.305, 39.318

69, 44.386, 38.514

73, 34.099, 37.967

78, 24.524, 37.641

84, 15.674, 37.490

89, 7.516, 37.452

Harmonies

Complementary

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



52, 95.586, 42.671



73, 41.610, 232.737

Rectangle

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



52, 95.586, 42.671



52, 95.586, 92.671



52, 95.586, 222.671



52, 95.586, 272.671

Sweetspot

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



52, 95.578, 42.670



83, 25.861, 37.643



54, 95.183, 337.334



42, 17.961, 37.758



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52, 95.578, 42.670



55, 100.501, 42.594



73, 78.645, 76.730



47, 4.272, 37.451



40, 78.031, 43.042



10, 26.438, 34.108

Inverse Universe

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



73, 41.610, 232.737



77, 43.715, 232.880



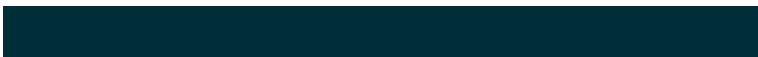
40, 97.198, 298.076



49, 4.023, 217.937



57, 34.117, 232.064



17, 14.852, 226.485

Previews

White Background



This preview shows how the CIELCh color 52, 95.586, 42.671 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 52, 95.586, 42.671 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 52, 95.586, 42.671

Background



This preview shows how black text looks on a background with the CIELCh color 52, 95.586, 42.671.



This preview shows how white text looks on a background with the CIELCh color 52, 95.586, 42.671.

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

52, 95.586, 42.671

Protanopia

52, 50.706, 95.567

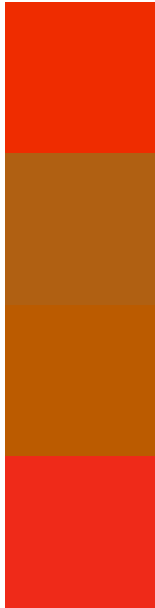
Deuteranopia

52, 58.437, 83.838



Tritanopia
52, 87.788, 35.472

Trichromacy



Original Color
52, 95.586, 42.671

Protanomaly
49, 59.779, 62.619

Deuteranomaly
50, 67.914, 59.470

Tritanomaly
52, 91.427, 39.065

Monochromacy



Original Color
52, 95.586, 42.671

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 36.181, 38.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 95.586, 42.671 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(239, 44, 0)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 44, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 44, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 95.586, 42.671 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(239, 44, 0) }
```

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

```
.border{ border-color:rgb(239, 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(239, 44, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 44, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 44, 0);  
box-shadow:4px 4px 4px 4px rgb(239, 44, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 95.586, 42.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 44, 0) }
```

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

```
.background{ background-color: rgb(239, 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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