

Converting Colors

CIELCh(52, 95.200, 43.110)

Have a look what the booklet for
CIELCh(52, 95.200, 43.110) contains.

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Color

CIELCh(52, 94.938, 42.927)

Conversions

Conversions Part 1

Format	Color
Hex	EE2E00
RGB	238, 46, 0
RGB Percent	93%, 18%, 0%
CMY	0.0665, 0.8193, 0.9998
CMYK	0.00, 0.81, 1.00, 0.07
HSL	12°, 100%, 47%
HSV	12°, 100%, 93%
XYZ	36.2561, 20.1443, 1.9787
YIQ	98.1640, 129.1980, 26.3980

Conversions

Conversions Part 2

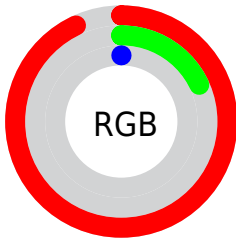
Format	Color
R_{YB}	238, 57, 0
Decimal	15609344
CIE Lab	52.00, 69.52, 64.66
CIE LCh	52, 94.938, 42.927
Yxy	20.1443, 0.6210, 0.3451
Android (android.graphics.Color)	4293799424 (0xFFEE2E00)
YUV	98.1640, -48.3949, 122.6362
Hunter-Lab	44.8824, 65.6482, 28.8038

Details

The CIELCh color **52, 94.938, 42.927** 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 **72, 41.637, 234.791**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 75.501, 45.934**, and **36, 77.749, 39.913** is the 20% darker color. If you saturate the color by 10%, you get **52, 94.949, 42.930**, and if you desaturate by 10%, it is **54, 87.433, 42.864**.

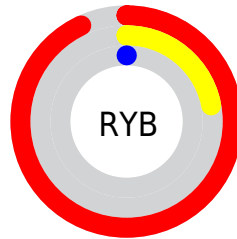
Distribution



Red (93%)

Green (18%)

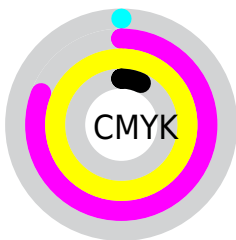
Blue (0%)



Red (93%)

Yellow (22%)

Blue (0%)

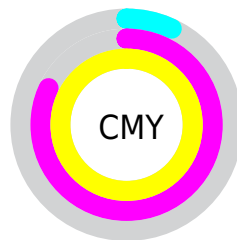


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (82%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 94.938, 42.927 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, 94.938, 42.927 by changing the saturation by 10% instead.

52, 94.938, 42.927

52, 94.938, 42.927

100, 94.938,
42.927

42, 94.938, 42.927

72, 94.938, 42.927

32, 94.938, 42.927

82, 94.938, 42.927

22, 94.938, 42.927

92, 94.938, 42.927

12, 94.938, 42.927

2, 94.938, 42.927

0, 94.938, 42.927

52, 94.938, 42.927

52, 94.938, 42.927

52, 94.949, 42.930

54, 87.433, 42.864

57, 77.295, 42.054

60, 66.068, 40.980

64, 54.805, 40.024

69, 43.972, 39.304

73, 33.773, 38.827

78, 24.286, 38.562

83, 15.517, 38.465

89, 7.433, 38.476

Harmonies

Complementary

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



52, 94.938, 42.927



72, 41.637, 234.791

Rectangle

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



52, 94.938, 42.927



52, 94.938, 92.927



52, 94.938, 222.927



52, 94.938, 272.927

Sweetspot

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



52, 94.935, 42.929



83, 25.712, 38.564



54, 94.908, 337.330



42, 17.857, 38.654



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, 94.935, 42.929



56, 100.142, 42.846



72, 78.411, 76.741



47, 4.248, 38.477



40, 77.738, 43.312



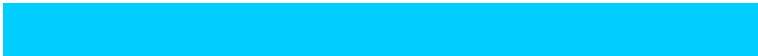
10, 26.303, 34.658

Inverse Universe

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



72, 41.637, 234.791



77, 43.878, 234.958



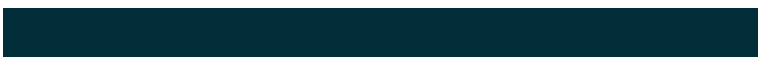
40, 96.871, 298.062



49, 4.002, 219.047



57, 34.226, 234.102



16, 14.851, 228.231

Previews

White Background



This preview shows how the CIELCh color 52, 94.938, 42.927 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, 94.938, 42.927 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, 94.938, 42.927

Background



This preview shows how black text looks on a background with the CIELCh color 52, 94.938, 42.927.



This preview shows how white text looks on a background with the CIELCh color 52, 94.938, 42.927.

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, 94.938, 42.927

Protanopia

52, 50.706, 95.567

Deuteranopia

52, 58.437, 83.838



Tritanopia
52, 86.605, 35.146

Trichromacy



Original Color
52, 94.938, 42.927

Protanomaly
49, 59.779, 62.619

Deuteranomaly
50, 67.407, 60.133

Tritanomaly
52, 90.311, 38.906

Monochromacy



Original Color
52, 94.938, 42.927

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 35.934, 39.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 94.938, 42.927 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(238, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 46, 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(238, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 46, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 94.938, 42.927 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(238, 46, 0) }
```

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

```
.border{ border-color:rgb(238, 46, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 46, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 46, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 46, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 46, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 94.938, 42.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 46, 0) }
```

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

```
.background{ background-color: rgb(238, 46,  
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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