

Converting Colors

CIELCh(53, 91.495, 44.881)

Have a look what the booklet for
CIELCh(53, 91.495, 44.881) contains.

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Color

CIELCh(53, 91.648, 44.858)

Conversions

Conversions Part 1

Format	Color
Hex	EC3C01
RGB	236, 60, 1
RGB Percent	93%, 24%, 0%
CMY	0.0748, 0.7649, 0.9964
CMYK	0.00, 0.75, 1.00, 0.07
HSL	15°, 99%, 46%
HSV	15°, 100%, 93%
XYZ	36.1841, 21.0462, 2.1816
YIQ	105.8980, 123.8350, 18.9630

Conversions

Conversions Part 2

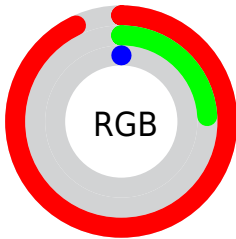
Format	Color
RYB	236, 80, 1
Decimal	15481857
CIELab	53.00, 64.97, 64.64
CIELCh	53, 91.648, 44.858
Yxy	21.0462, 0.6090, 0.3542
Android (android.graphics.Color)	4293671937 (0xFFEC3C01)
YUV	105.8980, -51.7147, 114.0995
Hunter-Lab	45.8761, 60.5060, 29.2937

Details

The CIELCh color **53, 91.648, 44.858** 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 **68, 43.319, 247.106**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 73.058, 49.028**, and **35, 77.052, 39.888** is the 20% darker color. If you saturate the color by 10%, you get **53, 91.924, 44.848**, and if you desaturate by 10%, it is **55, 84.069, 45.511**.

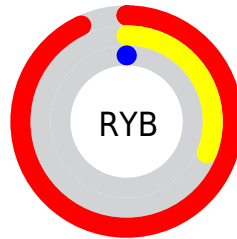
Distribution



Red (93%)

Green (24%)

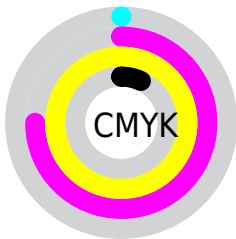
Blue (0%)



Red (93%)

Yellow (31%)

Blue (0%)

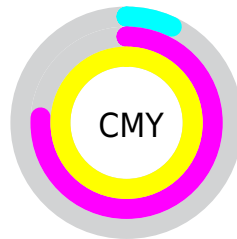


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (76%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 91.648, 44.858 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 53, 91.648, 44.858 by changing the saturation by 10% instead.

■ 53, 91.648, 44.858

■ 53, 91.648, 44.858

■ 100, 91.648,
44.858

■ 43, 91.648, 44.858

■ 73, 91.648, 44.858

■ 33, 91.648, 44.858

■ 83, 91.648, 44.858

■ 23, 91.648, 44.858

■ 93, 91.648, 44.858

■ 13, 91.648, 44.858

■ 3, 91.648, 44.858

■ 0, 91.648, 44.858

■ 53, 91.648, 44.858

■ 53, 91.648, 44.858

■ 53, 91.924, 44.848

■ 55, 84.069, 45.511

■ 58, 74.113, 45.418

62, 63.209, 45.016

66, 52.336, 44.647

70, 41.923, 44.432

74, 32.148, 44.390

79, 23.063, 44.505

84, 14.661, 44.745

89, 6.900, 45.056

Harmonies

Complementary

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



53, 91.648, 44.858



68, 43.319, 247.106

Rectangle

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



53, 91.648, 44.858



53, 91.648, 94.858



53, 91.648, 224.858



53, 91.648, 274.858

Sweetspot

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



53, 91.645, 44.860



84, 24.942, 44.496



53, 89.744, 341.562



43, 17.316, 44.433



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 91.645, 44.860



57, 97.643, 44.729



76, 78.875, 83.136



47, 4.059, 45.061



41, 74.928, 45.337



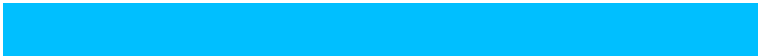
10, 24.204, 37.657

Inverse Universe

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



68, 43.319, 247.106



73, 46.072, 247.507



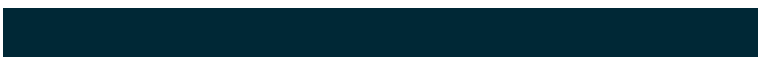
36, 105.141, 300.966



48, 3.838, 226.152



53, 35.408, 246.407



14, 14.669, 238.635

Previews

White Background



This preview shows how the CIELCh color 53, 91.648, 44.858 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 53, 91.648, 44.858 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 53, 91.648, 44.858

Background



This preview shows how black text looks on a background with the CIELCh color 53, 91.648, 44.858.



This preview shows how white text looks on a background with the CIELCh color 53, 91.648, 44.858.

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

53, 91.648, 44.858

Protanopia

53, 52.231, 95.178

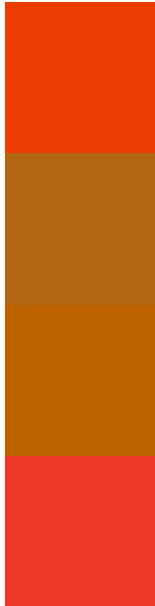
Deuteranopia

53, 59.339, 84.222



Tritanopia
53, 80.083, 32.505

Trichromacy



Original Color
53, 91.648, 44.858

Protanomaly
51, 59.572, 66.154

Deuteranomaly
51, 67.116, 62.778

Tritanomaly
53, 85.281, 38.580

Monochromacy



Original Color
53, 91.648, 44.858

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 33.631, 44.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 91.648, 44.858 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(236, 60, 1)` looks like.

```
.text, #text, p{  
    color:rgb(236, 60, 1)  
}
```

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(236, 60, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 60, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 91.648, 44.858 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(236, 60, 1) }
```

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

```
.border{ border-color:rgb(236, 60, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 60, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 60, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 60, 1);  
box-shadow:4px 4px 4px 4px rgb(236, 60, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 91.648, 44.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 60, 1) }
```

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

```
.background{ background-color: rgb(236, 60,  
1) }
```

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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