

Converting Colors

CIELCh(52, 77.902, 40.257)

Have a look what the booklet for
CIELCh(52, 77.902, 40.257) contains.

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Color

CIELCh(52, 78.211, 40.239)

Conversions

Conversions Part 1

Format	Color
Hex	E14327
RGB	225, 67, 39
RGB Percent	88%, 26%, 15%
CMY	0.1180, 0.7375, 0.8473
CMYK	0.00, 0.70, 0.83, 0.12
HSL	9°, 76%, 52%
HSV	9°, 83%, 88%
XYZ	33.3916, 20.1443, 4.0422
YIQ	111.0500, 103.1560, 24.7880

Conversions

Conversions Part 2

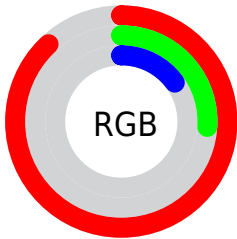
Format	Color
R_{YB}	225, 72, 39
Decimal	14762791
CIE Lab	52.00, 59.70, 50.52
CIE LCh	52, 78.211, 40.239
Yxy	20.1443, 0.5799, 0.3499
Android (android.graphics.Color)	4292952871 (0xFFE14327)
YUV	111.0500, -35.5206, 99.9342
Hunter-Lab	44.8824, 54.2561, 26.0780

Details

The CIELCh color **52, 78.211, 40.239** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **73, 38.358, 220.644**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 64.044, 42.529**, and **33, 73.854, 39.731** is the 20% darker color. If you saturate the color by 10%, you get **50, 87.333, 41.454**, and if you desaturate by 10%, it is **55, 67.556, 38.646**.

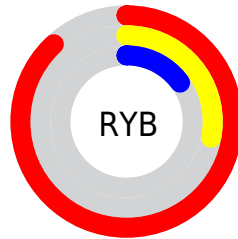
Distribution



Red (88%)

Green (26%)

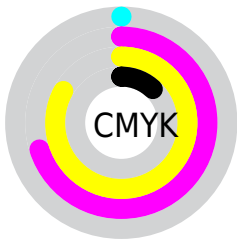
Blue (15%)



Red (88%)

Yellow (28%)

Blue (15%)

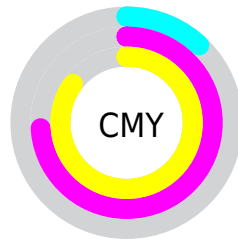


Cyan (0%)

Magenta (70%)

Yellow (83%)

Black (12%)



Cyan (12%)

Magenta (74%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 78.211, 40.239 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, 78.211, 40.239 by changing the saturation by 10% instead.

■ 52, 78.211, 40.239

■ 52, 78.211, 40.239

■ 100, 78.211,
40.239

■ 42, 78.211, 40.239

■ 72, 78.211, 40.239

■ 32, 78.211, 40.239

■ 82, 78.211, 40.239

■ 22, 78.211, 40.239

■ 92, 78.211, 40.239

■ 12, 78.211, 40.239

■ 2, 78.211, 40.239

■ 0, 78.211, 40.239

■ 52, 78.211, 40.239

■ 52, 78.211, 40.239

■ 50, 87.333, 41.454

■ 55, 67.556, 38.646

■ 48, 92.294, 41.927

■ 59, 56.613, 37.179

63, 45.939, 36.005

68, 35.796, 35.138

72, 26.306, 34.538

77, 17.508, 34.152

83, 9.388, 33.919

88, 1.908, 33.595

93, 4.990, 214.058

Harmonies

Complementary

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



52, 78.211, 40.239



73, 38.358, 220.644

Rectangle

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



52, 78.211, 40.239



52, 78.211, 90.239



52, 78.211, 220.239



52, 78.211, 270.239

Sweetspot

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



52, 78.208, 40.241



85, 21.585, 34.231



53, 89.947, 334.093



43, 14.947, 34.362



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, 78.208, 40.241



55, 101.011, 41.728



70, 68.213, 77.750



44, 4.137, 33.860



38, 76.474, 42.239



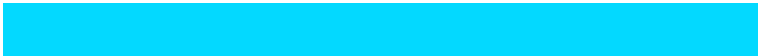
7, 23.055, 29.109

Inverse Universe

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



73, 38.358, 220.644



80, 43.524, 225.124



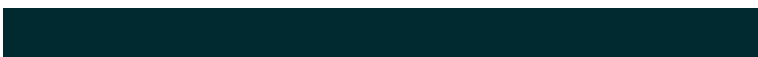
47, 71.344, 289.740



46, 3.894, 214.047



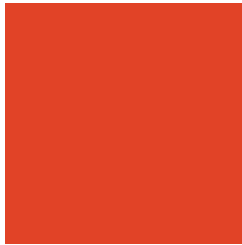
57, 32.997, 224.659



14, 13.662, 219.459

Previews

White Background



This preview shows how the CIELCh color 52, 78.211, 40.239 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, 78.211, 40.239 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, 78.211, 40.239

Background



This preview shows how black text looks on a background with the CIELCh color 52, 78.211, 40.239.



This preview shows how white text looks on a background with the CIELCh color 52, 78.211, 40.239.

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, 78.211, 40.239

Protanopia

52, 39.924, 96.282

Deuteranopia

52, 53.992, 82.903



Tritanopia
52, 71.897, 30.338

Trichromacy



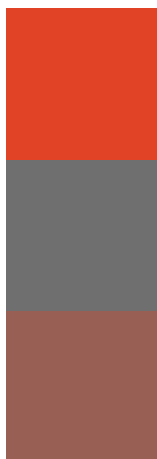
Original Color
52, 78.211, 40.239

Protanomaly
50, 46.413, 62.245

Deuteranomaly
51, 58.788, 60.822

Tritanomaly
52, 74.249, 34.373

Monochromacy



Original Color
52, 78.211, 40.239

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 26.910, 35.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 78.211, 40.239 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(225, 67, 39)` looks like.

```
.text, #text, p{  
    color:rgb(225, 67, 39)  
}
```

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(225, 67, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 67, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 78.211, 40.239 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(225, 67, 39) }
```

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

```
.border{ border-color:rgb(225, 67, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 67, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 67, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 67, 39);  
box-shadow:4px 4px 4px 4px rgb(225, 67,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 78.211, 40.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 67, 39) }
```

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

```
.background{ background-color: rgb(225, 67,  
39) }
```

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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