

Converting Colors

CIELCh(52, 76.173, 39.032)

Have a look what the booklet for
CIELCh(52, 76.173, 39.032) contains.

CIELCh(52, 76.191, 39.069)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(52, 76.191, 39.069)

Conversions

Conversions Part 1

Format	Color
Hex	E0442C
RGB	224, 68, 44
RGB Percent	88%, 27%, 17%
CMY	0.1218, 0.7335, 0.8276
CMYK	0.00, 0.70, 0.80, 0.12
HSL	8°, 74%, 53%
HSV	8°, 80%, 88%
XYZ	33.2359, 20.1443, 4.5143
YIQ	111.9080, 100.6800, 25.6080

Conversions

Conversions Part 2

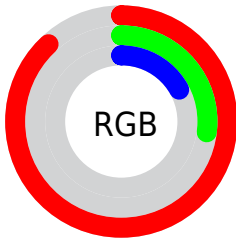
Format	Color
RYB	224, 72, 44
Decimal	14697516
CIELab	52.00, 59.15, 48.02
CIElCh	52, 76.191, 39.069
Yxy	20.1443, 0.5741, 0.3479
Android (android.graphics.Color)	4292887596 (0xFFE0442C)
YUV	111.9080, -33.4786, 98.3047
Hunter-Lab	44.8824, 53.6370, 25.4542

Details

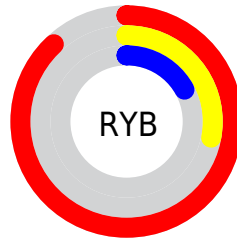
The CIELCh color **52, 76.191, 39.069** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **74, 38.206, 217.085**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 62.338, 41.062**, and **33, 73.493, 39.709** is the 20% darker color. If you saturate the color by 10%, you get **50, 85.760, 40.680**, and if you desaturate by 10%, it is **55, 65.424, 37.263**.

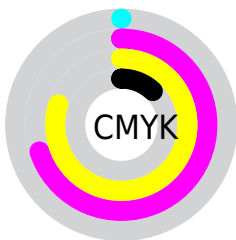
Distribution



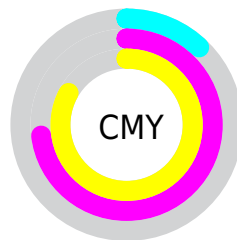
- Red (88%)
- Green (27%)
- Blue (17%)



- Red (88%)
- Yellow (28%)
- Blue (17%)



- Cyan (0%)
- Magenta (70%)
- Yellow (80%)
- Black (12%)



- Cyan (12%)
- Magenta (73%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 76.191, 39.069 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, 76.191, 39.069 by changing the saturation by 10% instead.

■ 52, 76.191, 39.069

■ 52, 76.191, 39.069

■ 100, 76.191,
39.069

■ 42, 76.191, 39.069

■ 72, 76.191, 39.069

■ 32, 76.191, 39.069

■ 82, 76.191, 39.069

■ 22, 76.191, 39.069

■ 92, 76.191, 39.069

■ 12, 76.191, 39.069

■ 2, 76.191, 39.069

■ 0, 76.191, 39.069

■ 52, 76.191, 39.069

■ 52, 76.191, 39.069

■ 50, 85.760, 40.680

■ 55, 65.424, 37.263

■ 48, 92.473, 41.576

■ 59, 54.501, 35.677

63, 43.893, 34.424

68, 33.833, 33.497

73, 24.428, 32.843

78, 15.713, 32.403

84, 7.673, 32.108

89, 0.264, 29.780

94, 6.569, 212.127

Harmonies

Complementary

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



52, 76.191, 39.069



74, 38.206, 217.085

Rectangle

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



52, 76.191, 39.069



52, 76.191, 89.069



52, 76.191, 219.069



52, 76.191, 269.069

Sweetspot

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



52, 76.188, 39.071



86, 20.898, 32.549



54, 89.654, 333.191



44, 14.574, 32.710



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, 76.188, 39.071



55, 99.622, 41.195



70, 66.269, 76.731



44, 4.191, 32.084



38, 76.904, 41.855



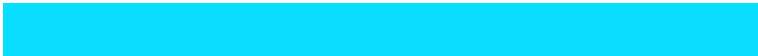
7, 23.317, 28.085

Inverse Universe

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



74, 38.206, 217.085



82, 43.633, 220.628



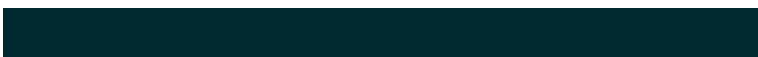
48, 67.077, 287.692



46, 3.943, 212.122



58, 33.155, 220.994



15, 13.772, 216.480

Previews

White Background



This preview shows how the CIELCh color 52, 76.191, 39.069 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, 76.191, 39.069 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, 76.191, 39.069

Background



This preview shows how black text looks on a background with the CIELCh color 52, 76.191, 39.069.



This preview shows how white text looks on a background with the CIELCh color 52, 76.191, 39.069.

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, 76.191, 39.069

Protanopia

52, 36.945, 96.024

Deuteranopia

52, 51.131, 82.176



Tritanopia
52, 70.794, 29.717

Trichromacy



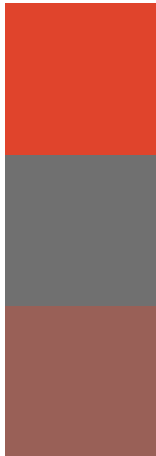
Original Color
52, 76.191, 39.069

Protanomaly
50, 43.988, 60.784

Deuteranomaly
51, 56.018, 60.107

Tritanomaly
52, 72.830, 33.500

Monochromacy



Original Color
52, 76.191, 39.069

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 26.624, 33.881

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 76.191, 39.069 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(224, 68, 44)` looks like.

```
.text, #text, p{  
    color:rgb(224, 68, 44)  
}
```

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(224, 68, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 68, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 76.191, 39.069 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(224, 68, 44) }
```

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

```
.border{ border-color:rgb(224, 68, 44) }
```

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

Here you see how a box with a 4 pixel rgb(224, 68, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 68, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 68, 44);  
box-shadow:4px 4px 4px 4px rgb(224, 68,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 76.191, 39.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 68, 44) }
```

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

```
.background{ background-color: rgb(224, 68,  
44) }
```

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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