

Converting Colors

CIELCh(52, 71.907, 44.460)

Have a look what the booklet for
CIELCh(52, 71.907, 44.460) contains.

CIELCh(52, 72.046, 44.336)	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, 72.046, 44.336)

Conversions

Conversions Part 1

Format	Color
Hex	D74F26
RGB	215, 79, 38
RGB Percent	84%, 31%, 15%
CMY	0.1574, 0.6906, 0.8513
CMYK	0.00, 0.63, 0.82, 0.16
HSL	14°, 70%, 50%
HSV	14°, 82%, 84%
XYZ	31.1247, 20.1443, 4.0735
YIQ	114.9900, 94.2170, 16.0810

Conversions

Conversions Part 2

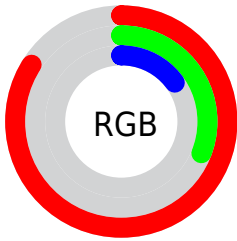
Format	Color
R_{YB}	215, 91, 38
Decimal	14110502
CIE Lab	52.00, 51.53, 50.35
CIE LCh	52, 72.046, 44.336
Yxy	20.1443, 0.5624, 0.3640
Android (android.graphics.Color)	4292300582 (0xFFD74F26)
YUV	114.9900, -37.9561, 87.7088
Hunter-Lab	44.8824, 45.2404, 26.0365

Details

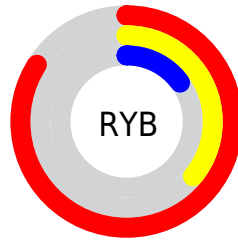
The CIELCh color **52, 72.046, 44.336** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **66, 37.026, 235.756**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 62.345, 46.670**, and **32, 68.824, 41.453** is the 20% darker color. If you saturate the color by 10%, you get **49, 80.937, 44.521**, and if you desaturate by 10%, it is **55, 61.939, 43.741**.

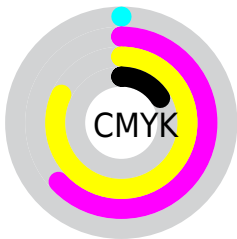
Distribution



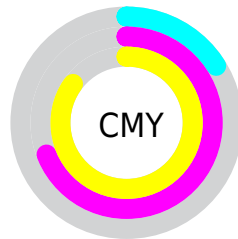
- Red (84%)
- Green (31%)
- Blue (15%)



- Red (84%)
- Yellow (36%)
- Blue (15%)



- Cyan (0%)
- Magenta (63%)
- Yellow (82%)
- Black (16%)



- Cyan (16%)
- Magenta (69%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 72.046, 44.336 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, 72.046, 44.336 by changing the saturation by 10% instead.

52, 72.046, 44.336

52, 72.046, 44.336

100, 72.046,
44.336

42, 72.046, 44.336

72, 72.046, 44.336

32, 72.046, 44.336

82, 72.046, 44.336

22, 72.046, 44.336

92, 72.046, 44.336

12, 72.046, 44.336

2, 72.046, 44.336

0, 72.046, 44.336

52, 72.046, 44.336

52, 72.046, 44.336

49, 80.937, 44.521

55, 61.939, 43.741

48, 86.298, 44.288

59, 51.703, 43.152

62, 41.824, 42.726

67, 32.509, 42.496

71, 23.831, 42.445

75, 15.800, 42.541

80, 8.383, 42.738

85, 1.535, 42.758

90, 4.800, 223.629

Harmonies

Complementary

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



52, 72.046, 44.336



66, 37.026, 235.756

Rectangle

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



52, 72.046, 44.336



52, 72.046, 94.336



52, 72.046, 224.336



52, 72.046, 274.336

Sweetspot

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



52, 72.043, 44.339



87, 20.541, 42.500



51, 82.792, 337.319



44, 14.222, 42.464



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, 72.043, 44.339



57, 97.822, 44.062



70, 67.061, 83.611



43, 3.795, 42.801



38, 72.337, 44.719



7, 19.065, 32.757

Inverse Universe

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



66, 37.026, 235.756



74, 44.966, 242.923



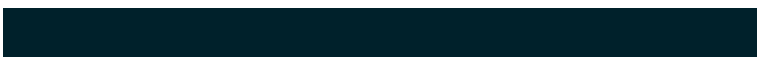
42, 75.949, 293.679



44, 3.586, 223.712



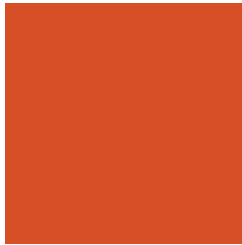
51, 33.232, 242.113



11, 12.702, 233.013

Previews

White Background



This preview shows how the CIELCh color 52, 72.046, 44.336 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, 72.046, 44.336 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, 72.046, 44.336

Background



This preview shows how black text looks on a background with the CIELCh color 52, 72.046, 44.336.



This preview shows how white text looks on a background with the CIELCh color 52, 72.046, 44.336.

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, 72.046, 44.336

Protanopia

52, 41.922, 95.765

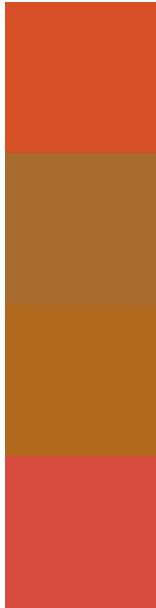
Deuteranopia

52, 53.412, 82.764



Tritanopia
52, 62.483, 26.774

Trichromacy



Original Color
52, 72.046, 44.336

Protanomaly
51, 46.589, 67.424

Deuteranomaly
51, 57.007, 64.864

Tritanomaly
52, 65.509, 34.262

Monochromacy



Original Color
52, 72.046, 44.336

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 24.267, 42.746

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 72.046, 44.336 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(215, 79, 38)` looks like.

```
.text, #text, p{  
    color:rgb(215, 79, 38)  
}
```

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(215, 79, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 79, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 72.046, 44.336 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(215, 79, 38) }
```

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

```
.border{ border-color:rgb(215, 79, 38) }
```

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

Here you see how a box with a 4 pixel rgb(215, 79, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 79, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 79, 38);  
box-shadow:4px 4px 4px 4px rgb(215, 79,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 72.046, 44.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 79, 38) }
```

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

```
.background{ background-color: rgb(215, 79,  
38) }
```

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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