

Converting Colors

CIELCh(52, 72.324, 42.500)

Have a look what the booklet for
CIELCh(52, 72.324, 42.500) contains.

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Color

CIELCh(52, 72.379, 42.731)

Conversions

Conversions Part 1

Format	Color
Hex	D94D29
RGB	217, 77, 41
RGB Percent	85%, 30%, 16%
CMY	0.1501, 0.6989, 0.8400
CMYK	0.00, 0.65, 0.81, 0.15
HSL	12°, 70%, 50%
HSV	12°, 81%, 85%
XYZ	31.5697, 20.1443, 4.3038
YIQ	114.7560, 94.9960, 18.4840

Conversions

Conversions Part 2

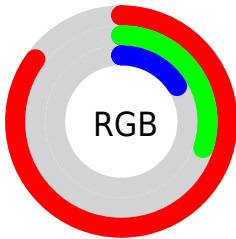
Format	Color
RYB	217, 86, 41
Decimal	14241065
CIELab	52.00, 53.17, 49.11
CIELCh	52, 72.379, 42.731
Yxy	20.1443, 0.5636, 0.3596
Android (android.graphics.Color)	4292431145 (0xFFD94D29)
YUV	114.7560, -36.3617, 89.6680
Hunter-Lab	44.8824, 47.0102, 25.7324

Details

The CIELCh color **52, 72.379, 42.731** 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 **68, 36.793, 230.264**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 61.556, 45.100**, and **32, 70.239, 40.708** is the 20% darker color. If you saturate the color by 10%, you get **49, 81.622, 43.347**, and if you desaturate by 10%, it is **55, 62.039, 41.801**.

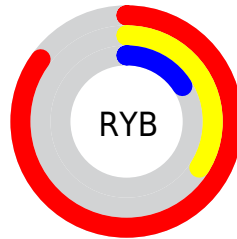
Distribution



Red (85%)

Green (30%)

Blue (16%)



Red (85%)

Yellow (34%)

Blue (16%)

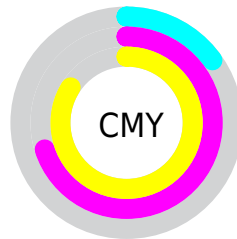


Cyan (0%)

Magenta (65%)

Yellow (81%)

Black (15%)



Cyan (15%)

Magenta (70%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 72.379, 42.731 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, 72.379, 42.731 by changing the saturation by 10% instead.

■ 52, 72.379, 42.731

■ 52, 72.379, 42.731

■ 100, 72.379,
42.731

■ 42, 72.379, 42.731

■ 72, 72.379, 42.731

■ 32, 72.379, 42.731

■ 82, 72.379, 42.731

■ 22, 72.379, 42.731

■ 92, 72.379, 42.731

■ 12, 72.379, 42.731

■ 2, 72.379, 42.731

■ 0, 72.379, 42.731

■ 52, 72.379, 42.731

■ 52, 72.379, 42.731

■ 49, 81.622, 43.347

■ 55, 62.039, 41.801

■ 48, 87.914, 43.384

■ 59, 51.630, 40.948

63, 41.600, 40.308

67, 32.149, 39.895

72, 23.350, 39.686

76, 15.210, 39.638

81, 7.702, 39.700

86, 0.776, 39.232

91, 5.624, 220.350

Harmonies

Complementary

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



52, 72.379, 42.731



68, 36.793, 230.264

Rectangle

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



52, 72.379, 42.731



52, 72.379, 92.731



52, 72.379, 222.731



52, 72.379, 272.731

Sweetspot

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



52, 72.376, 42.734



87, 19.922, 39.638



51, 83.819, 336.361



44, 13.894, 39.654



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, 72.376, 42.734



56, 97.601, 43.210



70, 66.417, 82.405



43, 3.846, 39.714



38, 73.226, 43.787



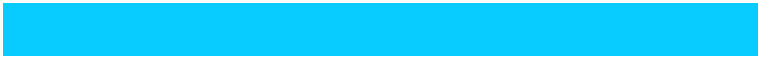
6, 19.363, 31.019

Inverse Universe

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



68, 36.793, 230.264



76, 43.852, 236.213



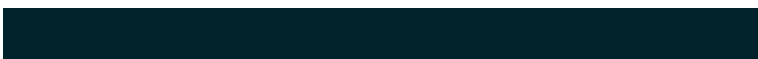
43, 73.393, 292.319



44, 3.628, 220.381



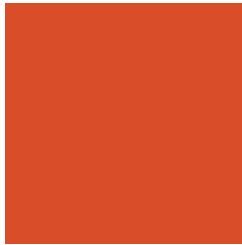
52, 32.601, 236.290



12, 12.649, 228.184

Previews

White Background



This preview shows how the CIELCh color 52, 72.379, 42.731 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, 72.379, 42.731 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, 72.379, 42.731

Background



This preview shows how black text looks on a background with the CIELCh color 52, 72.379, 42.731.



This preview shows how white text looks on a background with the CIELCh color 52, 72.379, 42.731.

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, 72.379, 42.731

Protanopia

52, 39.924, 96.282

Deuteranopia

52, 52.154, 82.449



Tritanopia
52, 63.976, 27.555

Trichromacy



Original Color
52, 72.379, 42.731

Protanomaly
51, 45.321, 65.749

Deuteranomaly
51, 56.098, 63.166

Tritanomaly
52, 66.820, 33.638

Monochromacy



Original Color
52, 72.379, 42.731

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 24.632, 39.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 72.379, 42.731 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(217, 77, 41)` looks like.

```
.text, #text, p{  
    color:rgb(217, 77, 41)  
}
```

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(217, 77, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 77, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 72.379, 42.731 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(217, 77, 41) }
```

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

```
.border{ border-color:rgb(217, 77, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 77, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 77, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 77, 41);  
box-shadow:4px 4px 4px 4px rgb(217, 77,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 72.379, 42.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 77, 41) }
```

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

```
.background{ background-color: rgb(217, 77,  
41) }
```

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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