

Converting Colors

CIELCh(52, 69.645, 44.027)

Have a look what the booklet for
CIELCh(52, 69.645, 44.027) contains.

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Color

CIELCh(52, 69.621, 44.012)

Conversions

Conversions Part 1

Format	Color
Hex	D5512A
RGB	213, 81, 42
RGB Percent	84%, 32%, 16%
CMY	0.1655, 0.6830, 0.8359
CMYK	0.00, 0.62, 0.80, 0.17
HSL	14°, 67%, 50%
HSV	14°, 80%, 83%
XYZ	30.7308, 20.1443, 4.4455
YIQ	116.0220, 91.1910, 15.8550

Conversions

Conversions Part 2

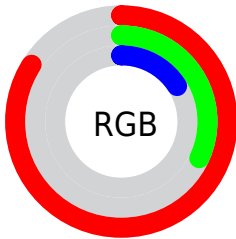
Format	Color
RYB	213, 93, 42
Decimal	13979946
CIELab	52.00, 50.07, 48.37
CIELCh	52, 69.621, 44.012
Yxy	20.1443, 0.5555, 0.3641
Android (android.graphics.Color)	4292170026 (0xFFD5512A)
YUV	116.0220, -36.4928, 85.0497
Hunter-Lab	44.8824, 43.6737, 25.5451

Details

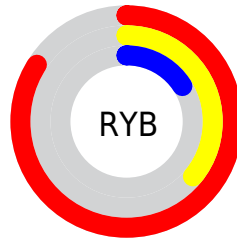
The CIELCh color **52, 69.621, 44.012** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **66, 36.318, 234.378**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 60.700, 46.194**, and **32, 67.906, 42.099** is the 20% darker color. If you saturate the color by 10%, you get **49, 78.835, 44.383**, and if you desaturate by 10%, it is **55, 59.487, 43.355**.

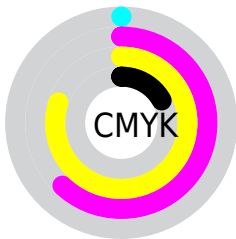
Distribution



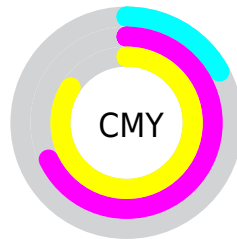
- Red (84%)
- Green (32%)
- Blue (16%)



- Red (84%)
- Yellow (36%)
- Blue (16%)



- Cyan (0%)
- Magenta (62%)
- Yellow (80%)
- Black (17%)



- Cyan (17%)
- Magenta (68%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 69.621, 44.012 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, 69.621, 44.012 by changing the saturation by 10% instead.

52, 69.621, 44.012

52, 69.621, 44.012

100, 69.621,
44.012

42, 69.621, 44.012

72, 69.621, 44.012

32, 69.621, 44.012

82, 69.621, 44.012

22, 69.621, 44.012

92, 69.621, 44.012

12, 69.621, 44.012

2, 69.621, 44.012

0, 69.621, 44.012

52, 69.621, 44.012

52, 69.621, 44.012

49, 78.835, 44.383

55, 59.487, 43.355

47, 85.796, 44.179

59, 49.360, 42.757

- 63, 39.645, 42.341
- 67, 30.511, 42.123
- 71, 22.016, 42.082
- 76, 14.160, 42.183
- 80, 6.908, 42.372
- 85, 0.210, 40.105
- 90, 5.988, 223.247

Harmonies

Complementary

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



52, 69.621, 44.012



66, 36.318, 234.378

Rectangle

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



52, 69.621, 44.012



52, 69.621, 94.012



52, 69.621, 224.012



52, 69.621, 274.012

Sweetspot

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



52, 69.619, 44.015



87, 19.672, 42.129



51, 81.358, 337.113



45, 13.718, 42.096



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, 69.619, 44.015



57, 95.874, 44.123



70, 65.429, 83.966



43, 3.801, 42.389



38, 72.458, 44.589



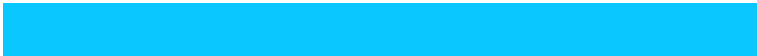
7, 19.104, 32.524

Inverse Universe

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



66, 36.318, 234.378



75, 44.429, 240.823



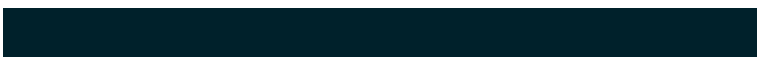
42, 73.299, 292.973



44, 3.591, 223.268



51, 33.131, 241.353



11, 12.690, 232.375

Previews

White Background



This preview shows how the CIELCh color 52, 69.621, 44.012 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, 69.621, 44.012 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, 69.621, 44.012

Background



This preview shows how black text looks on a background with the CIELCh color 52, 69.621, 44.012.



This preview shows how white text looks on a background with the CIELCh color 52, 69.621, 44.012.

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, 69.621, 44.012

Protanopia

52, 39.924, 96.282

Deuteranopia

52, 51.131, 82.176



Tritanopia
52, 60.709, 26.302

Trichromacy



Original Color
52, 69.621, 44.012

Protanomaly
51, 44.275, 67.900

Deuteranomaly
51, 54.655, 63.979

Tritanomaly
52, 63.387, 33.645

Monochromacy



Original Color
52, 69.621, 44.012

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 23.489, 41.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 69.621, 44.012 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(213, 81, 42)` looks like.

```
.text, #text, p{  
    color:rgb(213, 81, 42)  
}
```

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(213, 81, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 81, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 69.621, 44.012 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(213, 81, 42) }
```

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

```
.border{ border-color:rgb(213, 81, 42) }
```

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

Here you see how a box with a 4 pixel rgb(213, 81, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 81, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 81, 42);  
box-shadow:4px 4px 4px 4px rgb(213, 81,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 69.621, 44.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 81, 42) }
```

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

```
.background{ background-color: rgb(213, 81,  
42) }
```

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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