

Converting Colors

CIELCh(52, 70.039, 47.482)

Have a look what the booklet for
CIELCh(52, 70.039, 47.482) contains.

CIELCh(52, 70.209, 47.530)	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, 70.209, 47.530)

Conversions

Conversions Part 1

Format	Color
Hex	D25422
RGB	210, 84, 34
RGB Percent	82%, 33%, 13%
CMY	0.1767, 0.6707, 0.8668
CMYK	0.00, 0.60, 0.84, 0.18
HSL	17°, 72%, 48%
HSV	17°, 84%, 82%
XYZ	30.0202, 20.1443, 3.8165
YIQ	115.9740, 91.1460, 11.1620

Conversions

Conversions Part 2

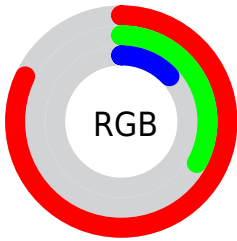
Format	Color
R _Y B	210, 104, 34
Decimal	13784098
CIE Lab	52.00, 47.41, 51.79
CIE LCh	52, 70.209, 47.530
Yxy	20.1443, 0.5561, 0.3732
Android (android.graphics.Color)	4291974178 (0xFFD25422)
YUV	115.9740, -40.4132, 82.4608
Hunter-Lab	44.8824, 40.8478, 26.3761

Details

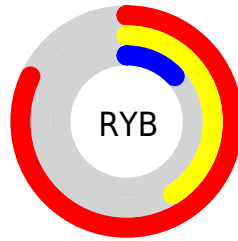
The CIELCh color **52, 70.209, 47.530** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **62, 38.005, 246.040**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 62.903, 50.445**, and **32, 65.798, 43.362** is the 20% darker color. If you saturate the color by 10%, you get **49, 78.418, 46.965**, and if you desaturate by 10%, it is **55, 60.653, 47.563**.

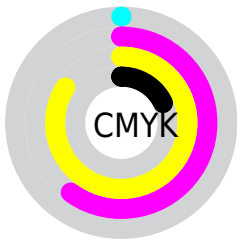
Distribution



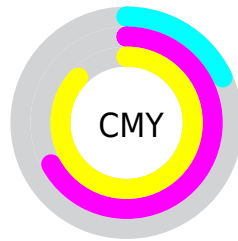
- Red (82%)
- Green (33%)
- Blue (13%)



- Red (82%)
- Yellow (41%)
- Blue (13%)



- Cyan (0%)
- Magenta (60%)
- Yellow (84%)
- Black (18%)



- Cyan (18%)
- Magenta (67%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 70.209, 47.530 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, 70.209, 47.530 by changing the saturation by 10% instead.

52, 70.209, 47.530

52, 70.209, 47.530

100, 70.209,
47.530

42, 70.209, 47.530

72, 70.209, 47.530

32, 70.209, 47.530

82, 70.209, 47.530

22, 70.209, 47.530

92, 70.209, 47.530

12, 70.209, 47.530

2, 70.209, 47.530

0, 70.209, 47.530

52, 70.209, 47.530

52, 70.209, 47.530

49, 78.418, 46.965

55, 60.653, 47.563

48, 82.604, 46.415

58, 50.872, 47.491

62, 41.387, 47.497

66, 32.421, 47.635

70, 24.050, 47.907

74, 16.280, 48.291

78, 9.085, 48.754

83, 2.417, 49.150

87, 3.775, 230.119

Harmonies

Complementary

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



52, 70.209, 47.530



62, 38.005, 246.040

Rectangle

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



52, 70.209, 47.530



52, 70.209, 97.530



52, 70.209, 227.530



52, 70.209, 277.530

Sweetspot

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



52, 70.207, 47.533



87, 20.119, 48.230



49, 78.310, 341.190



45, 13.921, 48.087



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, 70.207, 47.533



58, 96.044, 46.065



72, 68.672, 88.811



42, 3.654, 48.964



39, 69.666, 46.912



7, 16.999, 36.079

Inverse Universe

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



62, 38.005, 246.040



70, 48.202, 254.182



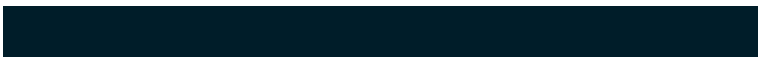
37, 83.552, 297.511



42, 3.469, 230.326



47, 34.921, 252.720



9, 12.537, 241.509

Previews

White Background



This preview shows how the CIELCh color 52, 70.209, 47.530 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, 70.209, 47.530 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, 70.209, 47.530

Background



This preview shows how black text looks on a background with the CIELCh color 52, 70.209, 47.530.



This preview shows how white text looks on a background with the CIELCh color 52, 70.209, 47.530.

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, 70.209, 47.530

Protanopia

52, 44.661, 95.925

Deuteranopia

52, 54.538, 83.030



Tritanopia
52, 58.442, 25.669

Trichromacy



Original Color
52, 70.209, 47.530

Protanomaly
51, 48.490, 71.275

Deuteranomaly
51, 57.483, 67.364

Tritanomaly
52, 61.643, 35.196

Monochromacy



Original Color
52, 70.209, 47.530

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 23.820, 47.392

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 70.209, 47.530 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(210, 84, 34)` looks like.

```
.text, #text, p{  
    color:rgb(210, 84, 34)  
}
```

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(210, 84, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 84, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 70.209, 47.530 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(210, 84, 34) }
```

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

```
.border{ border-color:rgb(210, 84, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 84, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 84, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 84, 34);  
box-shadow:4px 4px 4px 4px rgb(210, 84,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 70.209, 47.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 84, 34) }
```

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

```
.background{ background-color: rgb(210, 84,  
34) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor