Converting Colors

CIELCh(52, 17.667, 209.218)

Have a look what the booklet for CIELCh(52, 17.667, 209.218) contains.

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Color

CIELCh(52, 17.667, 209.218)

Conversions

Conversions Part 1

Format	Color
Hex	51848A
RGB	81, 132, 138
RGB Percent	32%, 52%, 54%
CMY	0.6817, 0.4817, 0.4582
CMYK	0.41, 0.04, 0.00, 0.46
HSL	186°, 26%, 43%
HSV	186°, 41%, 54%
XYZ	16.2810, 20.1443, 27.1386
YIQ	117.4350, -32.3220, -8.9460

Conversions

Conversions Part 2

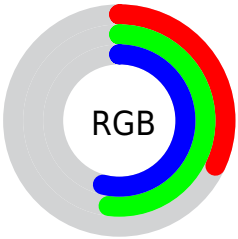
Format	Color
RYB	81, 108, 138
Decimal	5342346
CIELab	52.00, -15.42, -8.62
CIELCh	52, 17.667, 209.218
Yxy	20.1443, 0.2561, 0.3169
Android (android.graphics.Color)	4283532426 (0xFF51848A)
YUV	117.4350, 10.1385, -31.9535
Hunter-Lab	44.8824, -13.7936, -4.4326

Details

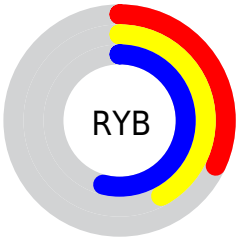
The CIELCh color 52, 17.667, 209.218 is a dark color, and the websafe version is hex 669999. A complement of this color would be 43, 23.770, 31.109, and the grayscale version is 49, 0.007, 296.813.

A 20% lighter version of the original color is 72, 17.700, 208.814, and 32, 17.541, 209.798 is the 20% darker color. If you saturate the color by 10%, you get 51, 20.877, 209.573, and if you desaturate by 10%, it is 53, 13.962, 209.025.

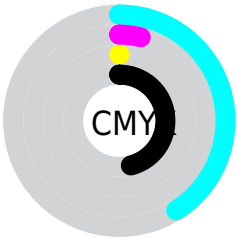
Distribution



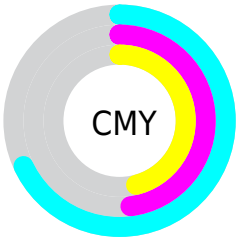
- Red (32%)
- Green (52%)
- Blue (54%)



- Red (32%)
- Yellow (42%)
- Blue (54%)



- Cyan (41%)
- Magenta (4%)
- Yellow (0%)
- Black (46%)



- Cyan (68%)
- Magenta (48%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 17.667, 209.218 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, 17.667, 209.218 by changing the saturation by 10% instead.

52, 17.667, 209.218

100, 17.667, 209.218

72, 17.667, 209.218

82, 17.667, 209.218

92, 17.667, 209.218

52, 17.667, 209.218

42, 17.667, 209.218

32, 17.667, 209.218

22, 17.667, 209.218

12, 17.667, 209.218

2, 17.667, 209.218

0, 17.667, 209.218

52, 17.667, 209.218

51, 20.877, 209.573

50, 23.529, 210.132

49, 25.575, 210.926

48, 26.999, 211.997

48, 27.820, 213.378

47, 28.238, 214.758

52, 17.667, 209.218

53, 13.962, 209.025

54, 9.835, 208.975

56, 5.362, 209.058

57, 0.612, 209.803

59, 4.350, 29.216

61, 9.470, 29.521

62, 14.702, 29.828

64, 20.008, 30.155

66, 25.357, 30.498

Harmonies

Complementary

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

52, 17.667, 209.218

43, 23.770, 31.109

Rectangle

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

52, 17.667, 209.218

52, 17.667, 259.218

52, 17.667, 29.218

52, 17.667, 79.218

Sweetspot

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

52, 17.667, 209.215

71, 7.028, 209.043

53, 37.134, 144.133

36, 4.630, 209.029

87, 0.010, 296.813

38, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

52, 17.667, 209.215

65, 25.129, 209.565

43, 21.570, 272.328

28, 2.696, 209.097

45, 27.417, 214.678

1, 1.281, 209.151

Inverse Universe

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

43, 36.956, 329.771

51, 54.322, 330.320

50, 22.573, 80.125

27, 5.062, 327.918

30, 65.627, 332.780

0, 2.336, 327.429

Previews

White Background

This preview shows how the CIELCh color 52, 17.667, 209.218 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, 17.667, 209.218 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, 17.667, 209.218

Background

This preview shows how black text looks on a background with the CIELCh color 52, 17.667, 209.218.

This preview shows how white text looks on a background with the CIELCh color 52, 17.667, 209.218.

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, 17.667, 209.218

Protanopia
52, 5.234, 290.847

Deuteranopia
52, 12.561, 303.882

Tritanopia
52, 17.647, 217.229

Trichromacy

Original Color
52, 17.667, 209.218

Protanomaly
52, 8.070, 234.207

Deuteranomaly
51, 10.501, 261.998

Tritanomaly
52, 17.554, 215.301

Monochromacy

Original Color
52, 17.667, 209.218

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 6.965, 208.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 17.667, 209.218 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(81, 132, 138) looks like.

```
.text, #text, p{
    color:rgb(81, 132, 138)
}
```

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(81, 132, 138) colored shadow looks like.

Here you see how black text with a 4 pixel rgb(81, 132, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 132, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 17.667, 209.218 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(81, 132, 138) }
```

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

```
.border{ border-color:rgb(81, 132, 138) }
```

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

Here you see how a box with a 4 pixel rgb(81, 132, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(81, 132, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(81, 132, 138); box-shadow:4px 4px 4px 4px rgb(81, 132, 138) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 17.667, 209.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(81, 132, 138) }
```

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

```
.background{ background-color:rgb(81, 132, 138) }
```

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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