

Converting Colors

CIELCh(52, 18.017, 216.760)

Have a look what the booklet for
CIELCh(52, 18.017, 216.760)
contains.

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Color

CIELCh(52, 18.172, 216.604)

Conversions

Conversions Part 1

Format	Color
Hex	50848E
RGB	80, 132, 142
RGB Percent	31%, 52%, 56%
CMY	0.6865, 0.4825, 0.4433
CMYK	0.44, 0.07, 0.00, 0.44
HSL	190°, 28%, 44%
HSV	190°, 44%, 56%
XYZ	16.4277, 20.1443, 28.5946
YIQ	117.5920, -34.2020, -7.9140

Conversions

Conversions Part 2

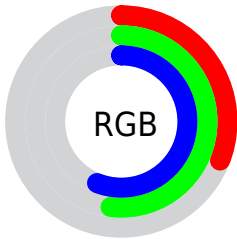
Format	Color
R_{YB}	80, 108, 142
Decimal	5276814
CIE _{Lab}	52.00, -14.59, -10.84
CIE _{LCh}	52, 18.172, 216.604
Yxy	20.1443, 0.2521, 0.3091
Android (android.graphics.Color)	4283466894 (0xFF50848E)
YUV	117.5920, 12.0331, -32.9682
Hunter-Lab	44.8824, -13.2105, -6.3559

Details

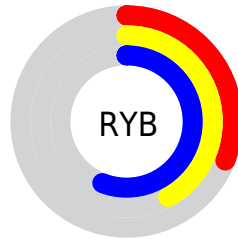
The CIELCh color **52, 18.172, 216.604** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **44, 24.943, 36.036**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 18.073, 217.663**, and **32, 18.063, 218.014** is the 20% darker color. If you saturate the color by 10%, you get **51, 21.228, 217.479**, and if you desaturate by 10%, it is **53, 14.626, 215.976**.

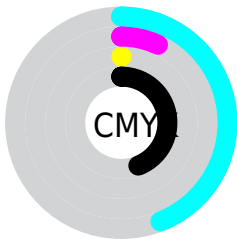
Distribution



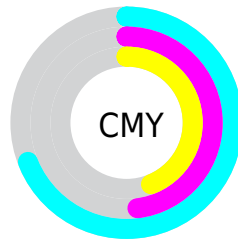
- Red (31%)
- Green (52%)
- Blue (56%)



- Red (31%)
- Yellow (42%)
- Blue (56%)



- Cyan (44%)
- Magenta (7%)
- Yellow (0%)
- Black (44%)



- Cyan (69%)
- Magenta (48%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 18.172, 216.604 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, 18.172, 216.604 by changing the saturation by 10% instead.


 52, 18.172,
216.604

 52, 18.172,
216.604


 100, 18.172,
216.604

 42, 18.172,
216.604


 72, 18.172,
216.604

 32, 18.172,
216.604

 82, 18.172,
216.604

 22, 18.172,
216.604

 92, 18.172,
216.604

 12, 18.172,
216.604

 2, 18.172, 216.604

 0, 18.172, 216.604

■ 52, 18.172,
216.604

■ 52, 18.172,
216.604

■ 51, 21.228,
217.479

■ 53, 14.626,
215.976

■ 49, 23.736,
218.665

■ 55, 10.660,
215.557

■ 48, 25.658,
220.220

■ 57, 6.345, 215.316

■ 47, 26.990,
222.210

■ 58, 1.749, 215.352

■ 46, 27.775,
224.690

■ 60, 3.067, 34.927

■ 46, 28.156,
226.372

■ 62, 8.050, 35.049

■ 64, 13.154, 35.164

■ 66, 18.343, 35.312

■ 68, 23.587, 35.488

Harmonies

Complementary

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



52, 18.172, 216.604



44, 24.943, 36.036

Rectangle

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



52, 18.172, 216.604



52, 18.172, 266.604



52, 18.172, 36.604



52, 18.172, 86.604

Sweetspot

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



52, 18.172, 216.601



72, 7.449, 215.310



54, 38.703, 145.365



37, 5.165, 215.343



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



52, 18.172, 216.601



65, 25.451, 217.419



43, 24.941, 277.107



29, 2.663, 215.271



44, 27.170, 226.218



1, 1.841, 215.100

Inverse Universe

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



43, 38.384, 331.863



52, 55.398, 332.462



52, 25.354, 84.177



28, 5.017, 329.719



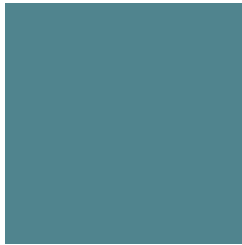
30, 63.772, 335.661



1, 3.368, 329.209

Previews

White Background



This preview shows how the CIELCh color 52, 18.172, 216.604 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, 18.172, 216.604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

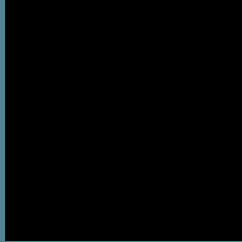
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 18.172, 216.604

Background



This preview shows how black text looks on a background with the CIELCh color 52, 18.172, 216.604.

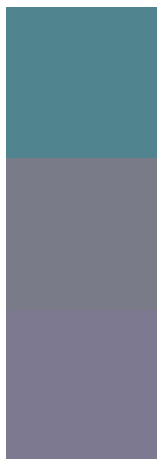


This preview shows how white text looks on a background with the CIELCh color 52, 18.172, 216.604.

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, 18.172, 216.604

Protanopia

52, 7.560, 288.239

Deuteranopia

52, 13.498, 298.202



Tritanopia
52, 18.172, 216.604

Trichromacy



Original Color
52, 18.172, 216.604

Protanomaly
52, 9.716, 245.019

Deuteranomaly
52, 11.800, 261.995

Tritanomaly
52, 18.172, 216.604

Monochromacy



Original Color
52, 18.172, 216.604

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 7.519, 216.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 18.172, 216.604 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(80, 132, 142)` looks like.

```
.text, #text, p{  
    color:rgb(80, 132, 142)  
}
```

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(80, 132, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 132, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 18.172, 216.604 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(80, 132, 142) }
```

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

```
.border{ border-color:rgb(80, 132, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 132, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 132, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 132, 142);  
box-shadow:4px 4px 4px 4px rgb(80, 132,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 18.172, 216.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 132, 142) }
```

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

```
.background{ background-color: rgb(80, 132,  
142) }
```

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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