

Converting Colors

CIELCh(52, 16.603, 148.616)

Have a look what the booklet for
CIELCh(52, 16.603, 148.616)
contains.

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Color

CIELCh(52, 16.809, 148.645)

Conversions

Conversions Part 1

Format	Color
Hex	68836D
RGB	104, 131, 109
RGB Percent	41%, 51%, 43%
CMY	0.5936, 0.4878, 0.5740
CMYK	0.21, 0.00, 0.17, 0.49
HSL	131°, 12%, 46%
HSV	131°, 21%, 51%
XYZ	16.4691, 20.1443, 17.3820
YIQ	120.4190, -9.0300, -12.5660

Conversions

Conversions Part 2

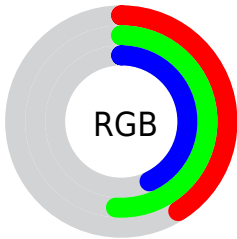
Format	Color
R_{YB}	104, 127, 131
Decimal	6849389
CIE _{Lab}	52.00, -14.35, 8.75
CIE _{LCh}	52, 16.809, 148.645
Y _{xy}	20.1443, 0.3050, 0.3731
Android (android.graphics.Color)	4285039469 (0xFF68836D)
YUV	120.4190, -5.6296, -14.3995
Hunter-Lab	44.8824, -13.0458, 8.4560

Details

The CIELCh color $52, 16.809, 148.645$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $47, 16.870, 331.249$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 16.434, 148.799$, and $32, 17.484, 148.097$ is the 20% darker color. If you saturate the color by 10%, you get $51, 24.938, 147.804$, and if you desaturate by 10%, it is $53, 8.642, 149.381$.

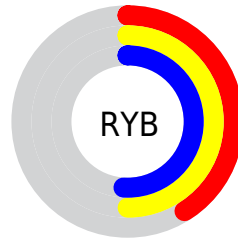
Distribution



Red (41%)

Green (51%)

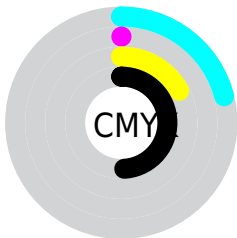
Blue (43%)



Red (41%)

Yellow (50%)

Blue (51%)

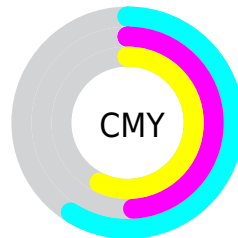


Cyan (21%)

Magenta (0%)

Yellow (17%)

Black (49%)



Cyan (59%)


Magenta (49%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 16.809, 148.645 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, 16.809, 148.645 by changing the saturation by 10% instead.


 52, 16.809,
148.645


 52, 16.809,
148.645


 100, 16.809,
148.645


 42, 16.809,
148.645


 72, 16.809,
148.645

 32, 16.809,
148.645

 82, 16.809,
148.645

 22, 16.809,
148.645

 92, 16.809,
148.645

 12, 16.809,
148.645

 2, 16.809, 148.645

 0, 16.809, 148.645

■ 52, 16.809,
148.645

■ 52, 16.809,
148.645

■ 51, 24.938,
147.804

■ 53, 8.642, 149.381

■ 50, 32.903,
146.836

■ 55, 0.529, 150.403

■ 56, 7.457, 330.496

■ 49, 40.560,
145.727

■ 57, 15.264,
330.986

■ 49, 47.742,
144.469

■ 59, 22.861,
331.408

■ 48, 54.276,
143.071

■ 61, 30.228,
331.778

■ 48, 59.988,
141.565


■ 63, 37.356,
332.106

■ 47, 64.719,
140.013

■ 65, 44.246,
332.399

■ 47, 68.274,

138.746

 66, 50.901,
332.662

Harmonies

Complementary

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



52, 16.809, 148.645



47, 16.870, 331.249

Rectangle

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



52, 16.809, 148.645



52, 16.809, 198.645



52, 16.809, 328.645



52, 16.809, 18.645

Sweetspot

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



52, 16.810, 148.645



69, 6.036, 149.694



54, 15.584, 115.952



36, 4.037, 149.657



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



52, 16.810, 148.645



66, 25.339, 148.246



52, 11.627, 172.945



27, 4.623, 149.486



47, 68.050, 138.753



1, 1.103, 150.023

Inverse Universe

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



47, 16.870, 331.249



59, 25.434, 331.559



47, 12.274, 356.814



26, 4.636, 330.529



29, 60.957, 336.960



0, 1.104, 330.017

Previews

White Background



This preview shows how the CIELCh color 52, 16.809, 148.645 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, 16.809, 148.645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

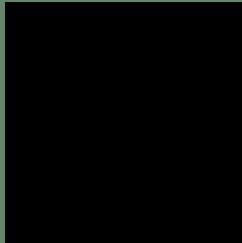
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 16.809, 148.645

Background



This preview shows how black text looks on a background with the CIELCh color 52, 16.809, 148.645.



This preview shows how white text looks on a background with the CIELCh color 52, 16.809, 148.645.

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, 16.809, 148.645

Protanopia
52, 10.822, 92.884

Deuteranopia
52, 10.049, 47.516



Tritanopia
52, 8.715, 240.852

Trichromacy



Original Color
52, 16.809, 148.645

Protanomaly
52, 11.822, 120.931

Deuteranomaly
52, 7.700, 96.680

Tritanomaly
52, 8.065, 194.456

Monochromacy



Original Color
52, 16.809, 148.645

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 6.186, 150.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 16.809, 148.645 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(104, 131, 109)` looks like.

```
.text, #text, p{  
    color:rgb(104, 131, 109)  
}
```

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(104, 131, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 131, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 16.809, 148.645 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(104, 131, 109) }
```

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

```
.border{ border-color:rgb(104, 131, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 131, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 131, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 131, 109);  
box-shadow:4px 4px 4px 4px rgb(104, 131,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 16.809, 148.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 131, 109) }
```

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

```
.background{ background-color: rgb(104,  
131, 109) }
```

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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