

Converting Colors

CIELCh(52, 16.709, 320.771)

Have a look what the booklet for
CIELCh(52, 16.709, 320.771)
contains.

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Color

CIELCh(52, 16.687, 320.766)

Conversions

Conversions Part 1

Format	Color
Hex	8A758E
RGB	138, 117, 142
RGB Percent	54%, 46%, 56%
CMY	0.4581, 0.5404, 0.4424
CMYK	0.03, 0.18, 0.00, 0.44
HSL	290°, 10%, 51%
HSV	290°, 18%, 56%
XYZ	21.7929, 20.1443, 28.4066
YIQ	126.1290, 4.4910, 12.2270

Conversions

Conversions Part 2

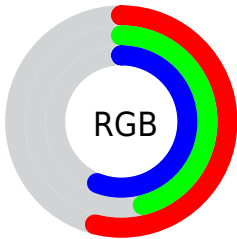
Format	Color
R _Y B	138, 117, 142
Decimal	9074062
CIE Lab	52.00, 12.93, -10.55
CIE LCh	52, 16.687, 320.766
Yxy	20.1443, 0.3098, 0.2864
Android (android.graphics.Color)	4287264142 (0xFF8A758E)
YUV	126.1290, 7.8244, 10.4109
Hunter-Lab	44.8824, 8.1273, -6.1076

Details

The CIELCh color $52, 16.687, 320.766$ is a dark color, and the websafe version is hex `666699`. A complement of this color would be $57, 16.576, 139.136$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 17.000, 320.959$, and $32, 16.576, 320.627$ is the 20% darker color. If you saturate the color by 10%, you get $48, 26.283, 321.214$, and if you desaturate by 10%, it is $56, 7.145, 320.305$.

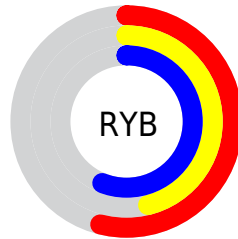
Distribution



Red (54%)

Green (46%)

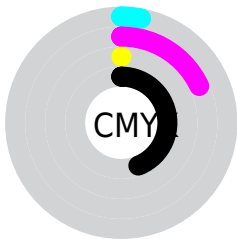
Blue (56%)



Red (54%)

Yellow (46%)

Blue (56%)

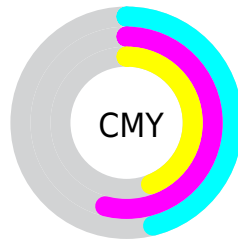


Cyan (3%)

Magenta (18%)

Yellow (0%)

Black (44%)



Cyan (46%)


Magenta (54%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 16.687, 320.766 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, 16.687, 320.766 by changing the saturation by 10% instead.


 52, 16.687,
320.766


 52, 16.687,
320.766


 100, 16.687,
320.766


 42, 16.687,
320.766


 72, 16.687,
320.766

 32, 16.687,
320.766

 82, 16.687,
320.766

 22, 16.687,
320.766

 92, 16.687,
320.766

 12, 16.687,
320.766

 2, 16.687, 320.766

 0, 16.687, 320.766

52, 16.687,
320.766

52, 16.687,
320.766

48, 26.283,
321.214

56, 7.145, 320.305

44, 35.793,
321.641

60, 2.243, 139.967

41, 45.002,
322.027

64, 11.424,
139.484

38, 53.621,
322.346

68, 20.365,
139.078

35, 61.285,
322.566

73, 29.054,
138.700

33, 67.593,
322.650

77, 37.487,
138.350

31, 72.192,
322.565


81, 45.669,
138.026

29, 75.126,

85, 53.609,
137.729

322.314

 89, 61.318,
137.457

 29, 75.792,
322.253

Harmonies

Complementary

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



52, 16.687, 320.766



57, 16.576, 139.136

Rectangle

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



52, 16.687, 320.766



52, 16.687, 10.766



52, 16.687, 140.766



52, 16.687, 190.766

Sweetspot

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



52, 16.685, 320.766



72, 5.792, 320.184



51, 12.202, 284.455



37, 3.939, 320.215



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, 16.685, 320.766



64, 24.597, 320.940



52, 13.855, 336.880



28, 5.344, 320.380



28, 73.039, 322.280



1, 3.583, 319.991

Inverse Universe

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



52, 10.529, 7.967



64, 15.650, 8.407



57, 13.732, 154.387



28, 3.314, 7.081



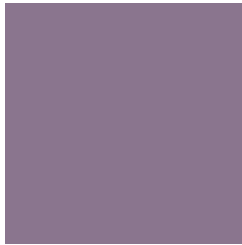
27, 58.705, 30.830



0, 2.184, 6.347

Previews

White Background



This preview shows how the CIELCh color 52, 16.687, 320.766 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, 16.687, 320.766 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, 16.687, 320.766

Background



This preview shows how black text looks on a background with the CIELCh color 52, 16.687, 320.766.



This preview shows how white text looks on a background with the CIELCh color 52, 16.687, 320.766.

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, 16.687, 320.766

Protanopia

52, 13.384, 287.121

Deuteranopia

52, 11.977, 304.434



Tritanopia
52, 8.276, 341.297

Trichromacy



Original Color
52, 16.687, 320.766

Protanomaly
52, 14.180, 301.004

Deuteranomaly
52, 13.104, 312.139

Tritanomaly
52, 11.268, 330.143

Monochromacy



Original Color
52, 16.687, 320.766

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 5.933, 318.401

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 16.687, 320.766 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(138, 117, 142)` looks like.

```
.text, #text, p{  
    color:rgb(138, 117, 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(138, 117, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 117, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 16.687, 320.766 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(138, 117, 142) }
```

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

```
.border{ border-color:rgb(138, 117, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 117, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 117, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 117, 142);  
box-shadow:4px 4px 4px 4px rgb(138, 117,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 16.687, 320.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 117, 142) }
```

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

```
.background{ background-color: rgb(138,  
117, 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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