

Converting Colors

CIELCh(52, 2.570, 44.959)

Have a look what the booklet for
CIELCh(52, 2.570, 44.959) contains.

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Color

CIELCh(52, 2.684, 45.017)

Conversions

Conversions Part 1

Format	Color
Hex	817B79
RGB	129, 123, 121
RGB Percent	51%, 48%, 47%
CMY	0.4949, 0.5184, 0.5263
CMYK	0.00, 0.05, 0.06, 0.49
HSL	15°, 3%, 49%
HSV	15°, 6%, 51%
XYZ	19.5208, 20.1443, 20.8854
YIQ	124.5660, 4.2180, 0.6500

Conversions

Conversions Part 2

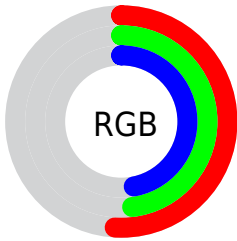
Format	Color
R_{YB}	129, 124, 121
Decimal	8485753
CIE Lab	52.00, 1.90, 1.90
CIE LCh	52, 2.684, 45.017
Yxy	20.1443, 0.3224, 0.3327
Android (android.graphics.Color)	4286675833 (0xFF817B79)
YUV	124.5660, -1.7580, 3.8886
Hunter-Lab	44.8824, -0.9089, 3.8279

Details

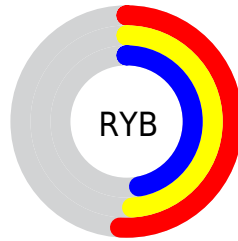
The CIELCh color $52, 2.684, 45.017$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 2.595, 225.895$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 2.856, 41.760$, and $32, 2.736, 33.026$ is the 20% darker color. If you saturate the color by 10%, you get $49, 7.280, 44.773$, and if you desaturate by 10%, it is $55, 1.583, 225.867$.

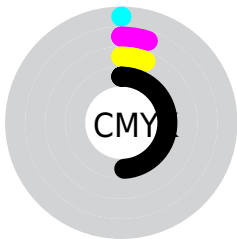
Distribution



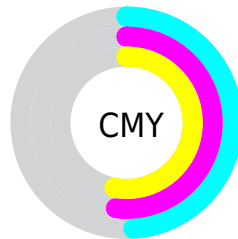
- Red (51%)
- Green (48%)
- Blue (47%)



- Red (51%)
- Yellow (49%)
- Blue (47%)



- Cyan (0%)
- Magenta (5%)
- Yellow (6%)
- Black (49%)




- Cyan (49%)
- Magenta (52%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 2.684, 45.017 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, 2.684, 45.017 by changing the saturation by 10% instead.

 52, 2.684, 45.017  52, 2.684, 45.017

 100, 2.684, 45.017  42, 2.684, 45.017

 72, 2.684, 45.017  32, 2.684, 45.017

 82, 2.684, 45.017  22, 2.684, 45.017

 92, 2.684, 45.017  12, 2.684, 45.017

 2, 2.684, 45.017

 0, 2.684, 45.017

 52, 2.684, 45.017  52, 2.684, 45.017

 49, 7.280, 44.773  55, 1.583, 225.867

 46, 12.238, 44.509  58, 5.554, 226.170

43, 17.586, 44.343

61, 9.263, 226.648

40, 23.338, 44.306

64, 12.740,
227.161

38, 29.485, 44.423

68, 16.013,
227.688

35, 35.974, 44.699

33, 42.665, 45.091

71, 19.108,
228.220

31, 49.241, 45.447

74, 22.045,
228.749

29, 55.112, 45.494

77, 24.844,
229.273

80, 27.522,
229.787

Harmonies

Complementary

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



52, 2.684, 45.017



53, 2.595, 225.895

Rectangle

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



52, 2.684, 45.017



52, 2.684, 95.017



52, 2.684, 225.017



52, 2.684, 275.017

Sweetspot

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



52, 2.684, 45.052



68, 1.057, 44.929



52, 4.751, 332.675



35, 0.598, 44.901



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



52, 2.684, 45.052



66, 3.779, 45.033



53, 3.540, 96.496



26, 1.940, 45.031



28, 56.687, 45.561



0, 0.000, 0.000

Inverse Universe

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



53, 2.595, 225.895



67, 3.633, 225.926



52, 3.565, 277.989



26, 1.865, 225.930



38, 27.152, 244.706



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 2.684, 45.017 looks on a white background.

Color Contrast Check

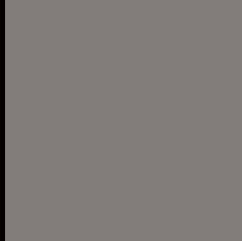
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 52, 2.684, 45.017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

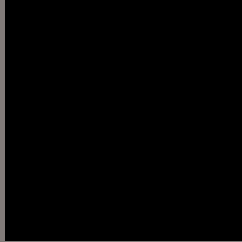
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

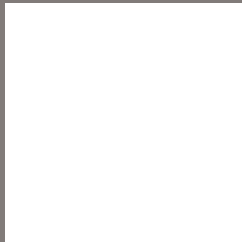
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 2.684, 45.017

Background



This preview shows how black text looks on a background with the CIELCh color 52, 2.684, 45.017.



This preview shows how white text looks on a background with the CIELCh color 52, 2.684, 45.017.

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

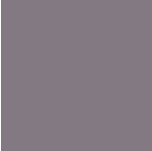
52, 2.684, 45.017

Protanopia

52, 1.978, 55.163

Deuteranopia

52, 6.984, 15.409



Tritanopia
52, 6.845, 322.045

Trichromacy



Original Color

52, 2.684, 45.017

Protanomaly

52, 2.321, 49.319

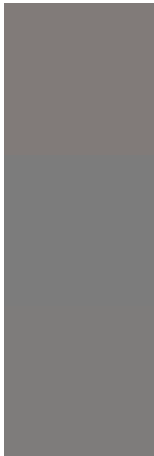
Deuteranomaly

52, 5.304, 19.924

Tritanomaly

52, 4.337, 337.856

Monochromacy



Original Color

52, 2.684, 45.017

Achromatopsia

52, 0.007, 296.813

Achromatomaly

52, 0.981, 55.164

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 52, 2.684, 45.017 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(129, 123, 121)` looks like.

```
.text, #text, p{  
    color:rgb(129, 123, 121)  
}
```

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(129, 123, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 123, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 2.684, 45.017 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(129, 123, 121) }
```

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

```
.border{ border-color:rgb(129, 123, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 123, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 123, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 123, 121);  
box-shadow:4px 4px 4px 4px rgb(129, 123,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 2.684, 45.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 123, 121) }
```

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

```
.background{ background-color: rgb(129,  
123, 121) }
```

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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