

Converting Colors

CIELCh(45, 1.933, 95.395)

Have a look what the booklet for
CIELCh(45, 1.933, 95.395) contains.

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Color

CIELCh(45, 1.958, 84.778)

Conversions

Conversions Part 1

Format	Color
Hex	6C6A67
RGB	108, 106, 103
RGB Percent	42%, 42%, 40%
CMY	0.5756, 0.5834, 0.5952
CMYK	0.00, 0.02, 0.05, 0.58
HSL	36°, 2%, 41%
HSV	36°, 5%, 42%
XYZ	13.8496, 14.5417, 14.9690
YIQ	106.2560, 2.1550, -0.5090

Conversions

Conversions Part 2

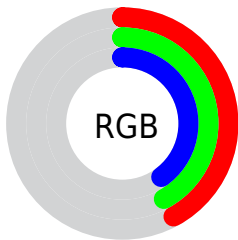
Format	Color
R_{YB}	106, 108, 103
Decimal	7105127
CIE Lab	45.00, 0.18, 1.95
CIE LCh	45, 1.958, 84.778
Yxy	14.5417, 0.3194, 0.3354
Android (android.graphics.Color)	4285295207 (0xFF6C6A67)
YUV	106.2560, -1.6052, 1.5295
Hunter-Lab	38.1336, -1.9051, 3.4197

Details

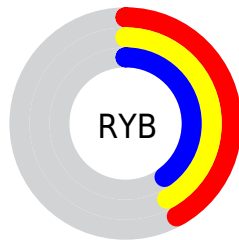
The CIELCh color $45, 1.958, 84.778$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 1.960, 266.108$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 1.821, 84.900$, and $25, 2.170, 84.468$ is the 20% darker color. If you saturate the color by 10%, you get $43, 6.298, 83.671$, and if you desaturate by 10%, it is $47, 2.261, 266.163$.

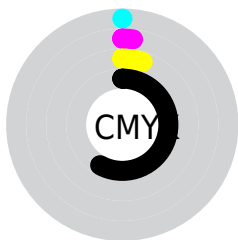
Distribution



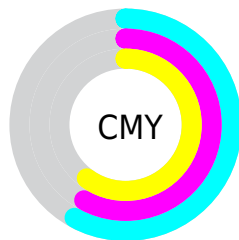
- Red (42%)
- Green (42%)
- Blue (40%)



- Red (42%)
- Yellow (42%)
- Blue (40%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (58%)














- Cyan (58%)
- Magenta (58%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 1.958, 84.778 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 45, 1.958, 84.778 by changing the saturation by 10% instead.

 45, 1.958, 84.778	 45, 1.958, 84.778
 100, 1.958, 84.778	 35, 1.958, 84.778
 65, 1.958, 84.778	 25, 1.958, 84.778
 75, 1.958, 84.778	 15, 1.958, 84.778
 85, 1.958, 84.778	 5, 1.958, 84.778
 95, 1.958, 84.778	 0, 1.958, 84.778

 45, 1.958, 84.778	 45, 1.958, 84.778
 43, 6.298, 83.671	 47, 2.261, 266.163
 42, 10.762, 82.437	 48, 6.368, 267.239
 40, 15.349, 81.163	 50, 10.373,

■ 39, 20.045, 79.856	■ 268.311
■ 38, 24.812, 78.510	■ 51, 14.284, 269.343
■ 36, 29.572, 77.110	■ 53, 18.111, 270.331
■ 35, 34.172, 75.615	■ 55, 21.860, 271.272
■ 34, 38.341, 73.939	■ 56, 25.541, 272.168
■ 32, 41.826, 72.018	■ 58, 29.158, 273.018
	■ 60, 32.718, 273.826

Harmonies

Complementary

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



45, 1.958, 84.778



44, 1.960, 266.108

Rectangle

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



45, 1.958, 84.778



45, 1.958, 134.778



45, 1.958, 264.778



45, 1.958, 314.778

Sweetspot

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



45, 1.959, 84.816



58, 0.517, 84.905



44, 2.399, 349.683



30, 0.296, 84.876



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 1.959, 84.816



57, 3.155, 84.656



46, 2.973, 113.752



22, 1.658, 84.644



34, 46.560, 70.878



70, 80.372, 68.782

Inverse Universe

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



44, 1.960, 266.108



56, 3.148, 266.279



44, 3.012, 294.473



21, 1.654, 266.292



21, 47.221, 290.738



46, 86.394, 293.173

Previews

White Background



This preview shows how the CIELCh color 45, 1.958, 84.778 looks on a white 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

Black Background



This preview shows how the CIE LCh color 45, 1.958, 84.778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

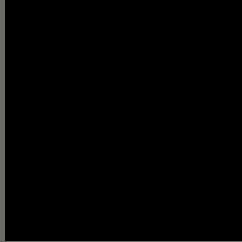
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

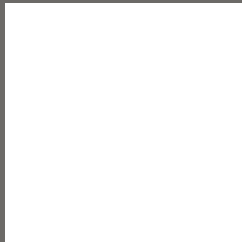
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 1.958, 84.778

Background



This preview shows how black text looks on a background with the CIELCh color 45, 1.958, 84.778.



This preview shows how white text looks on a background with the CIELCh color 45, 1.958, 84.778.

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

45, 1.958, 84.778

Protanopia

45, 2.166, 74.682

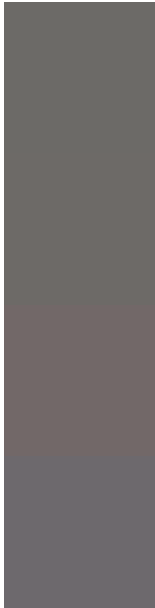
Deuteranopia

45, 6.337, 14.791



Tritanopia
45, 5.210, 313.569

Trichromacy



Original Color

45, 1.958, 84.778

Protanomaly

45, 2.166, 74.682

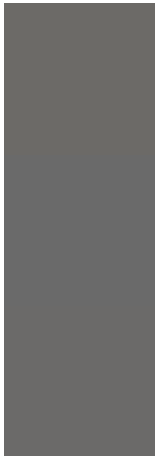
Deuteranomaly

45, 4.183, 19.842

Tritanomaly

45, 2.912, 324.575

Monochromacy



Original Color

45, 1.958, 84.778

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 0.716, 74.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 1.958, 84.778 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(108, 106, 103)` looks like.

```
.text, #text, p{  
    color:rgb(108, 106, 103)  
}
```

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(108, 106, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 106, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 1.958, 84.778 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(108, 106, 103) }
```

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

```
.border{ border-color:rgb(108, 106, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 106, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 106, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 106, 103);  
box-shadow:4px 4px 4px 4px rgb(108, 106,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 1.958, 84.778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 106, 103) }
```

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

```
.background{ background-color: rgb(108,  
106, 103) }
```

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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