

Converting Colors

CIELCh(45, 12.680, 358.965)

Have a look what the booklet for
CIELCh(45, 12.680, 358.965)
contains.

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Color

CIELCh(45, 12.655, 359.130)

Conversions

Conversions Part 1

Format	Color
Hex	7F636B
RGB	127, 99, 107
RGB Percent	50%, 39%, 42%
CMY	0.5013, 0.6112, 0.5798
CMYK	0.00, 0.22, 0.16, 0.50
HSL	343°, 12%, 44%
HSV	343°, 22%, 50%
XYZ	15.9145, 14.5417, 15.9204
YIQ	108.2840, 14.1200, 8.4240

Conversions

Conversions Part 2

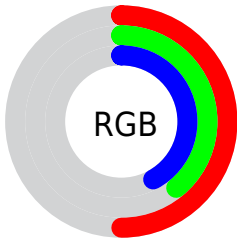
Format	Color
R_{YB}	127, 99, 107
Decimal	8348523
CIE Lab	45.00, 12.65, -0.19
CIE LCh	45, 12.655, 359.130
Yxy	14.5417, 0.3432, 0.3136
Android (android.graphics.Color)	4286538603 (0xFF7F636B)
YUV	108.2840, -0.6330, 16.4139
Hunter-Lab	38.1336, 7.7606, 1.9405

Details

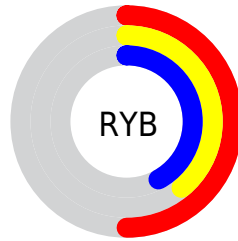
The CIELCh color $45, 12.655, 359.130$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $51, 11.862, 174.969$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 12.505, 359.932$, and $25, 12.668, 357.775$ is the 20% darker color. If you saturate the color by 10%, you get $41, 18.692, 0.405$, and if you desaturate by 10%, it is $49, 6.778, 358.030$.

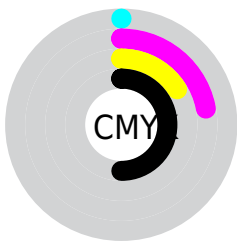
Distribution



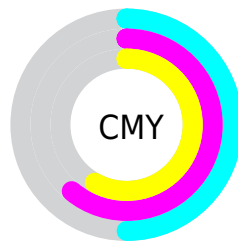
- Red (50%)
- Green (39%)
- Blue (42%)



- Red (50%)
- Yellow (39%)
- Blue (42%)



- Cyan (0%)
- Magenta (22%)
- Yellow (16%)
- Black (50%)





- Cyan (50%)
- Magenta (61%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 12.655, 359.130 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, 12.655, 359.130 by changing the saturation by 10% instead.


 45, 12.655,
359.130


 45, 12.655,
359.130


 100, 12.655,
359.130


 35, 12.655,
359.130

 65, 12.655,
359.130


 25, 12.655,
359.130

 75, 12.655,
359.130

 15, 12.655,
359.130

 85, 12.655,
359.130

 5, 12.655, 359.130

 95, 12.655,
359.130

 0, 12.655, 359.130

 45, 12.655,

 45, 12.655,

359.130

359.130

41, 18.692, 0.405

49, 6.778, 358.030

38, 24.793, 1.913

52, 1.119, 356.834

35, 30.802, 3.741

56, 4.297, 176.396

32, 36.506, 5.999

60, 9.468, 175.614

30, 41.655, 8.826

64, 14.400,
174.937

28, 46.026, 12.374

68, 19.108,
174.328

27, 49.523, 16.757

26, 52.162, 20.409

72, 23.610,
173.774

76, 27.922,
173.267

80, 32.063,
172.799

Harmonies

Complementary

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



45, 12.655, 359.130



51, 11.862, 174.969

Rectangle

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



45, 12.655, 359.130



45, 12.655, 49.130



45, 12.655, 179.130



45, 12.655, 229.130

Sweetspot

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



45, 12.653, 359.134



65, 4.853, 357.523



45, 18.457, 316.628



34, 3.181, 357.571



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 12.653, 359.134



56, 18.697, 359.693



46, 10.264, 39.164



25, 3.165, 357.726



26, 52.267, 20.425



0, 0.000, 0.000

Inverse Universe

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



45, 12.653, 359.134



56, 18.697, 359.693



50, 8.921, 220.311



25, 3.165, 357.726



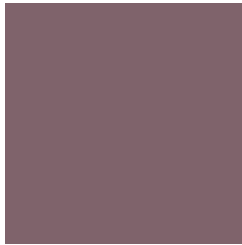
26, 52.267, 20.425



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 12.655, 359.130 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, 12.655, 359.130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

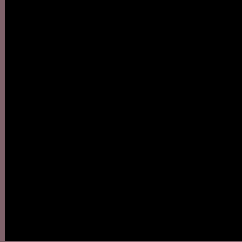
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 12.655, 359.130

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.655, 359.130.



This preview shows how white text looks on a background with the CIELCh color 45, 12.655, 359.130.

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, 12.655, 359.130

Protanopia

45, 3.020, 298.283

Deuteranopia

45, 6.113, 3.202



Tritanopia
45, 12.655, 359.130

Trichromacy



Original Color
45, 12.655, 359.130

Protanomaly
45, 5.464, 339.214

Deuteranomaly
45, 8.311, 3.885

Tritanomaly
45, 12.655, 359.130

Monochromacy



Original Color
45, 12.655, 359.130

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.514, 356.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.655, 359.130 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(127, 99, 107)` looks like.

```
.text, #text, p{  
    color:rgb(127, 99, 107)  
}
```

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(127, 99, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 99, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.655, 359.130 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(127, 99, 107) }
```

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

```
.border{ border-color:rgb(127, 99, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 99, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 99, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 99, 107);  
box-shadow:4px 4px 4px 4px rgb(127, 99,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.655, 359.130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 99, 107) }
```

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

```
.background{ background-color: rgb(127, 99,  
107) }
```

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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