

Converting Colors

CIELCh(45, 12.265, 358.295)

Have a look what the booklet for
CIELCh(45, 12.265, 358.295)
contains.

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Color

CIELCh(45, 12.261, 358.309)

Conversions

Conversions Part 1

Format	Color
Hex	7E636B
RGB	126, 99, 107
RGB Percent	49%, 39%, 42%
CMY	0.5042, 0.6101, 0.5787
CMYK	0.00, 0.21, 0.15, 0.50
HSL	342°, 12%, 44%
HSV	342°, 21%, 50%
XYZ	15.8457, 14.5417, 15.9974
YIQ	107.9850, 13.5240, 8.2120

Conversions

Conversions Part 2

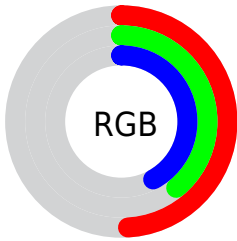
Format	Color
R_{YB}	126, 99, 107
Decimal	8282987
CIE _{Lab}	45.00, 12.26, -0.36
CIE _{LCh}	45, 12.261, 358.309
Yxy	14.5417, 0.3416, 0.3135
Android (android.graphics.Color)	4286473067 (0xFF7E636B)
YUV	107.9850, -0.4856, 15.7992
Hunter-Lab	38.1336, 7.4384, 1.8208

Details

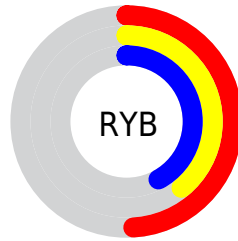
The CIELCh color $45, 12.261, 358.309$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 11.543, 174.295$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 12.136, 359.220$, and $25, 12.668, 357.775$ is the 20% darker color. If you saturate the color by 10%, you get $41, 18.276, 359.563$, and if you desaturate by 10%, it is $49, 6.402, 357.223$.

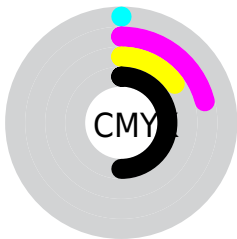
Distribution



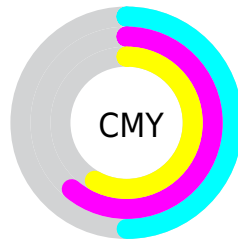
- Red (49%)
- Green (39%)
- Blue (42%)



- Red (49%)
- Yellow (39%)
- Blue (42%)



- Cyan (0%)
- Magenta (21%)
- Yellow (15%)
- Black (50%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 12.261, 358.309 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, 12.261, 358.309 by changing the saturation by 10% instead.


 45, 12.261,
358.309


 45, 12.261,
358.309


 100, 12.261,
358.309


 35, 12.261,
358.309

 65, 12.261,
358.309


 25, 12.261,
358.309

 75, 12.261,
358.309

 15, 12.261,
358.309

 85, 12.261,
358.309

 5, 12.261, 358.309

 95, 12.261,
358.309

 0, 12.261, 358.309

 45, 12.261,

 45, 12.261,

358.309

358.309

41, 18.276,
359.563

49, 6.402, 357.223

38, 24.354, 1.040

52, 0.758, 355.896

35, 30.341, 2.824

56, 4.650, 175.601

32, 36.024, 5.022

60, 9.816, 174.828

30, 41.155, 7.771

64, 14.747,
174.155

28, 45.503, 11.222

68, 19.459,
173.548

26, 48.956, 15.502

72, 23.967,
172.995

26, 51.704, 19.437

76, 28.289,
172.487

79, 32.442,
172.018

Harmonies

Complementary

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



45, 12.261, 358.309



51, 11.543, 174.295

Rectangle

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



45, 12.261, 358.309



45, 12.261, 48.309



45, 12.261, 178.309



45, 12.261, 228.309

Sweetspot

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



45, 12.259, 358.313



64, 4.121, 356.676



45, 17.814, 316.600



33, 2.722, 356.729



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 12.259, 358.313



55, 18.538, 358.943



46, 9.886, 39.164



25, 3.182, 356.988



26, 52.030, 19.489



0, 0.000, 0.000

Inverse Universe

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



45, 12.259, 358.313



55, 18.538, 358.943



49, 8.633, 220.277



25, 3.182, 356.988



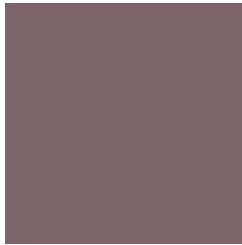
26, 52.030, 19.489



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 12.261, 358.309 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, 12.261, 358.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

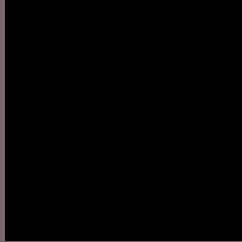
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 12.261, 358.309

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.261, 358.309.



This preview shows how white text looks on a background with the CIELCh color 45, 12.261, 358.309.

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, 12.261, 358.309

Protanopia

45, 3.020, 298.283

Deuteranopia

45, 6.298, 358.007



Tritanopia
45, 12.261, 358.309

Trichromacy



Original Color
45, 12.261, 358.309

Protanomaly
45, 5.464, 339.214

Deuteranomaly
45, 8.081, 358.892

Tritanomaly
45, 12.261, 358.309

Monochromacy



Original Color
45, 12.261, 358.309

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, 12.261, 358.309 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(126, 99, 107)` looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 99, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 99, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.261, 358.309 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(126, 99, 107) }
```

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

```
.border{ border-color:rgb(126, 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(126, 99, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 99, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 99, 107);  
box-shadow:4px 4px 4px 4px rgb(126, 99,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.261, 358.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 99, 107) }
```

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

```
.background{ background-color: rgb(126, 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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