

Converting Colors

CIELCh(45, 13.411, 358.995)

Have a look what the booklet for
CIELCh(45, 13.411, 358.995)
contains.

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Color

CIELCh(45, 13.051, 359.905)

Conversions

Conversions Part 1

Format	Color
Hex	80636B
RGB	128, 99, 107
RGB Percent	50%, 39%, 42%
CMY	0.4985, 0.6122, 0.5808
CMYK	0.00, 0.23, 0.16, 0.50
HSL	343°, 13%, 44%
HSV	343°, 23%, 50%
XYZ	15.9835, 14.5417, 15.8432
YIQ	108.5830, 14.7160, 8.6360

Conversions

Conversions Part 2

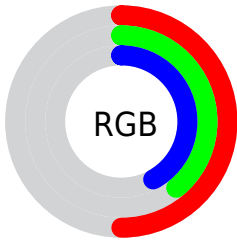
Format	Color
R_{YB}	128, 99, 107
Decimal	8414059
CIE _{Lab}	45.00, 13.05, -0.02
CIE _{LCh}	45, 13.051, 359.905
Yxy	14.5417, 0.3447, 0.3136
Android (android.graphics.Color)	4286604139 (0xFF80636B)
YUV	108.5830, -0.7804, 17.0287
Hunter-Lab	38.1336, 8.0834, 2.0605

Details

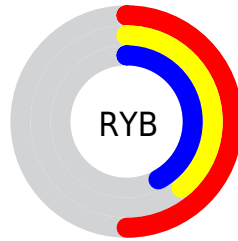
The CIELCh color $45, 13.051, 359.905$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $51, 12.180, 175.601$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 12.877, 0.606$, and $25, 13.096, 358.751$ is the 20% darker color. If you saturate the color by 10%, you get $41, 19.112, 1.201$, and if you desaturate by 10%, it is $49, 7.152, 358.793$.

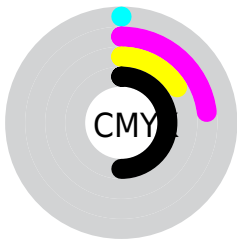
Distribution



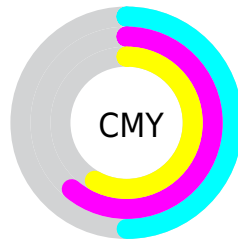
- Red (50%)
- Green (39%)
- Blue (42%)



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



- Cyan (0%)
- Magenta (23%)
- Yellow (16%)
- Black (50%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.051, 359.905 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, 13.051, 359.905 by changing the saturation by 10% instead.


 45, 13.051,
359.905


 45, 13.051,
359.905


 100, 13.051,
359.905


 35, 13.051,
359.905

 65, 13.051,
359.905


 25, 13.051,
359.905

 75, 13.051,
359.905

 15, 13.051,
359.905


 85, 13.051,
359.905

 5, 13.051, 359.905

 95, 13.051,
359.905

 0, 13.051, 359.905

 45, 13.051,

 45, 13.051,

359.905

359.905

41, 19.112, 1.201

49, 7.152, 358.793

38, 25.238, 2.739

53, 1.477, 357.656

35, 31.272, 4.609

56, 3.951, 177.147

32, 36.996, 6.925

60, 9.130, 176.355

30, 42.165, 9.828

64, 14.065,
175.675

28, 46.560, 13.467

68, 18.773,
175.065

27, 50.103, 17.942

72, 23.271,
174.510

26, 52.620, 21.304

76, 27.577,
174.003

80, 31.710,
173.536

Harmonies

Complementary

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



45, 13.051, 359.905



51, 12.180, 175.601

Rectangle

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



45, 13.051, 359.905



45, 13.051, 49.905



45, 13.051, 179.905



45, 13.051, 229.905

Sweetspot

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



45, 13.049, 359.909



65, 4.830, 358.216



45, 19.171, 317.184



34, 3.166, 358.263



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, 13.049, 359.909



56, 19.378, 0.523



46, 10.544, 40.933



25, 3.150, 358.419



26, 52.501, 21.286



0, 0.000, 0.000

Inverse Universe

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



45, 13.049, 359.909



56, 19.378, 0.523



50, 9.141, 222.484



25, 3.150, 358.419



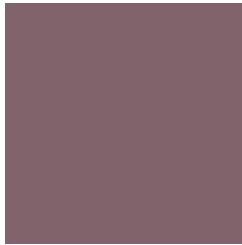
26, 52.501, 21.286



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 13.051, 359.905 looks on a white background.

Color Contrast Check

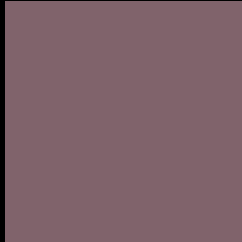
Large Text (above 18pt) WCAG AA ✓ Pass

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, 13.051, 359.905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

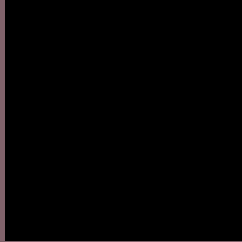
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.051, 359.905

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.051, 359.905.



This preview shows how white text looks on a background with the CIELCh color 45, 13.051, 359.905.

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, 13.051, 359.905

Protanopia

45, 3.020, 298.283

Deuteranopia

45, 6.113, 3.202



Tritanopia
45, 13.051, 359.905

Trichromacy



Original Color
45, 13.051, 359.905

Protanomaly
45, 6.481, 340.145

Deuteranomaly
45, 8.311, 3.885

Tritanomaly
45, 13.051, 359.905

Monochromacy



Original Color
45, 13.051, 359.905

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, 13.051, 359.905 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(128, 99, 107)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 99, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 99, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.051, 359.905 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(128, 99, 107) }
```

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

```
.border{ border-color:rgb(128, 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(128, 99, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 99, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 99, 107);  
box-shadow:4px 4px 4px 4px rgb(128, 99,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.051, 359.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 99, 107) }
```

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

```
.background{ background-color: rgb(128, 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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