

Converting Colors

CIELCh(45, 13.126, 353.879)

Have a look what the booklet for
CIELCh(45, 13.126, 353.879)
contains.

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Color

CIELCh(45, 13.077, 354.231)

Conversions

Conversions Part 1

Format	Color
Hex	7F636D
RGB	127, 99, 109
RGB Percent	50%, 39%, 43%
CMY	0.5019, 0.6117, 0.5725
CMYK	0.00, 0.22, 0.14, 0.50
HSL	339°, 12%, 44%
HSV	339°, 22%, 50%
XYZ	15.9765, 14.5417, 16.4346
YIQ	108.5120, 13.4780, 9.0460

Conversions

Conversions Part 2

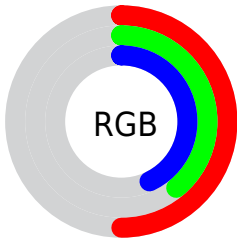
Format	Color
R_{YB}	127, 99, 109
Decimal	8348525
CIE _{Lab}	45.00, 13.01, -1.31
CIE _{LCh}	45, 13.077, 354.231
Yxy	14.5417, 0.3403, 0.3097
Android (android.graphics.Color)	4286538605 (0xFF7F636D)
YUV	108.5120, 0.2406, 16.2140
Hunter-Lab	38.1336, 8.0507, 1.1411

Details

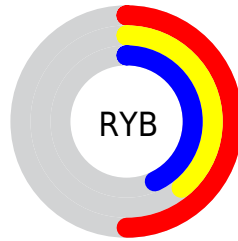
The CIELCh color $45, 13.077, 354.231$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $51, 12.444, 170.135$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 12.893, 355.285$, and $25, 13.145, 352.424$ is the 20% darker color. If you saturate the color by 10%, you get $41, 19.229, 355.441$, and if you desaturate by 10%, it is $49, 7.035, 353.174$.

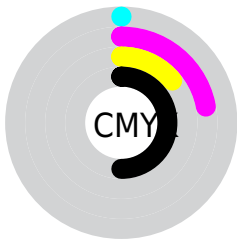
Distribution



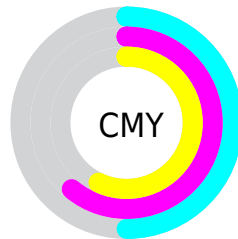
- Red (50%)
- Green (39%)
- Blue (43%)



- Red (50%)
- Yellow (39%)
- Blue (43%)



- Cyan (0%)
- Magenta (22%)
- Yellow (14%)
- Black (50%)





- Cyan (50%)
- Magenta (61%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.077, 354.231 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, 13.077, 354.231 by changing the saturation by 10% instead.


 45, 13.077,
354.231


 45, 13.077,
354.231


 100, 13.077,
354.231


 35, 13.077,
354.231

 65, 13.077,
354.231


 25, 13.077,
354.231

 75, 13.077,
354.231

 15, 13.077,
354.231


 85, 13.077,
354.231

 5, 13.077, 354.231

 95, 13.077,
354.231

 0, 13.077, 354.231

 45, 13.077,

 45, 13.077,

354.231

354.231

41, 19.229,
355.441

49, 7.035, 353.174

38, 25.382,
356.852

52, 1.176, 352.026

35, 31.364,
358.540

56, 4.470, 171.562

32, 36.940, 0.605

64, 15.085,
170.106

30, 41.841, 3.175

68, 20.066,
169.489

28, 45.816, 6.406

72, 24.848,
168.924

27, 48.746, 10.448

26, 50.838, 13.887

76, 29.444,
168.403

79, 33.872,
167.920

Harmonies

Complementary

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



45, 13.077, 354.231



51, 12.444, 170.135

Rectangle

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



45, 13.077, 354.231



45, 13.077, 44.231



45, 13.077, 174.231



45, 13.077, 224.231

Sweetspot

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



45, 13.075, 354.234



65, 5.042, 352.681



45, 18.181, 314.486



34, 3.304, 352.727



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, 13.075, 354.234



56, 19.286, 354.765



46, 10.739, 32.428



25, 3.287, 352.877



26, 50.983, 13.910



0, 0.000, 0.000

Inverse Universe

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



45, 13.075, 354.234



56, 19.286, 354.765



50, 9.294, 212.176



25, 3.287, 352.877



26, 50.983, 13.910



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 45, 13.077, 354.231 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, 13.077, 354.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

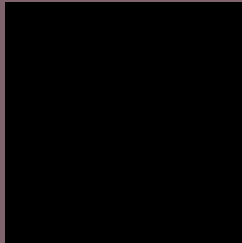
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.077, 354.231

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.077, 354.231.



This preview shows how white text looks on a background with the CIELCh color 45, 13.077, 354.231.

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, 13.077, 354.231

Protanopia

45, 4.205, 296.235

Deuteranopia

45, 6.164, 351.307



Tritanopia
45, 12.655, 359.130

Trichromacy



Original Color
45, 13.077, 354.231

Protanomaly
45, 7.026, 330.433

Deuteranomaly
45, 8.298, 355.046

Tritanomaly
45, 12.854, 356.638

Monochromacy



Original Color
45, 13.077, 354.231

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 5.139, 352.481

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.077, 354.231 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(127, 99, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 99, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.077, 354.231 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, 109) }
```

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

```
.border{ border-color:rgb(127, 99, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 99, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 99, 109);  
box-shadow:4px 4px 4px 4px rgb(127, 99,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.077, 354.231 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, 109) }
```

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

```
.background{ background-color: rgb(127, 99,  
109) }
```

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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