

Converting Colors

CIELCh(45, 3.993, 70.554)

Have a look what the booklet for
CIELCh(45, 3.993, 70.554) contains.

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Color

CIELCh(45, 4.133, 78.949)

Conversions

Conversions Part 1

Format	Color
Hex	6F6A64
RGB	111, 106, 100
RGB Percent	44%, 42%, 39%
CMY	0.5656, 0.5852, 0.6087
CMYK	0.00, 0.05, 0.10, 0.57
HSL	33°, 5%, 41%
HSV	33°, 10%, 43%
XYZ	13.9468, 14.5417, 14.0712
YIQ	106.8110, 4.9060, -0.8060

Conversions

Conversions Part 2

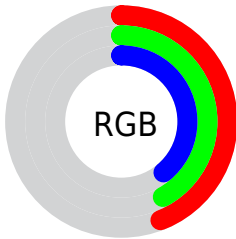
Format	Color
R _Y B	109, 111, 100
Decimal	7301732
CIE Lab	45.00, 0.79, 4.06
CIE LCh	45, 4.133, 78.949
Yxy	14.5417, 0.3277, 0.3417
Android (android.graphics.Color)	4285491812 (0xFF6F6A64)
YUV	106.8110, -3.3578, 3.6738
Hunter-Lab	38.1336, -1.4502, 4.8157

Details

The CIELCh color **45, 4.133, 78.949** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 4.071, 261.499**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 4.049, 74.466**, and **25, 4.364, 83.629** is the 20% darker color. If you saturate the color by 10%, you get **43, 8.455, 77.779**, and if you desaturate by 10%, it is **47, 0.035, 266.359**.

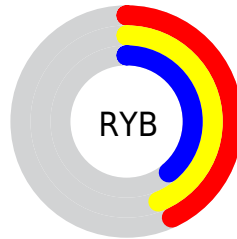
Distribution



Red (44%)

Green (42%)

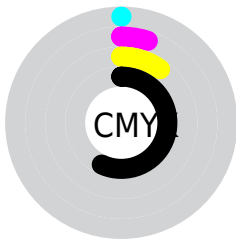
Blue (39%)



Red (43%)

Yellow (44%)

Blue (39%)

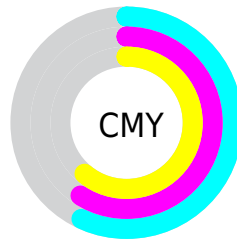


Cyan (0%)

Magenta (5%)

Yellow (10%)

Black (57%)



Cyan (57%)

Magenta (59%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 4.133, 78.949 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, 4.133, 78.949 by changing the saturation by 10% instead.

 45, 4.133, 78.949	 45, 4.133, 78.949
 100, 4.133, 78.949	 35, 4.133, 78.949
 65, 4.133, 78.949	 25, 4.133, 78.949
 75, 4.133, 78.949	 15, 4.133, 78.949
 85, 4.133, 78.949	 5, 4.133, 78.949
 95, 4.133, 78.949	 0, 4.133, 78.949

 45, 4.133, 78.949	 45, 4.133, 78.949
 43, 8.455, 77.779	 47, 0.035, 266.359
 42, 12.939, 76.545	 49, 4.061, 261.411
 40, 17.583, 75.285	 50, 7.959, 262.497

■ 38, 22.373, 73.998

■ 52, 11.740,
263.559

■ 37, 27.263, 72.677

■ 54, 15.417,
264.581

■ 35, 32.152, 71.289

■ 34, 36.840, 69.763

■ 56, 19.000,
265.560

■ 32, 40.973, 67.955

■ 58, 22.500,
266.495

■ 31, 45.007, 66.277

■ 60, 25.925,
267.386

■ 61, 29.283,
268.234

Harmonies

Complementary

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



45, 4.133, 78.949



44, 4.071, 261.499

Rectangle

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



45, 4.133, 78.949



45, 4.133, 128.949



45, 4.133, 258.949



45, 4.133, 308.949

Sweetspot

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



45, 4.134, 78.969



59, 1.516, 79.666



43, 5.521, 346.247



30, 1.143, 79.617



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, 4.134, 78.969



57, 6.182, 78.692



46, 6.493, 110.634



23, 2.362, 79.073



34, 47.752, 65.967



67, 82.154, 63.761

Inverse Universe

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



44, 4.071, 261.499



55, 6.059, 261.819



43, 6.638, 292.406



22, 2.331, 261.381



24, 43.474, 286.481



50, 78.676, 289.055

Previews

White Background



This preview shows how the CIELCh color 45, 4.133, 78.949 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, 4.133, 78.949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

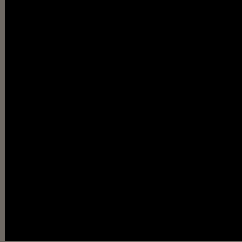
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 4.133, 78.949

Background



This preview shows how black text looks on a background with the CIELCh color 45, 4.133, 78.949.



This preview shows how white text looks on a background with the CIELCh color 45, 4.133, 78.949.

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, 4.133, 78.949

Protanopia

45, 3.934, 84.288

Deuteranopia

45, 7.064, 34.722



Tritanopia
45, 6.045, 328.018

Trichromacy



Original Color
45, 4.133, 78.949

Protanomaly
45, 3.934, 84.288

Deuteranomaly
45, 5.629, 44.816

Tritanomaly
45, 3.406, 348.123

Monochromacy



Original Color
45, 4.133, 78.949

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 1.822, 96.760

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 4.133, 78.949 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(111, 106, 100)` looks like.

```
.text, #text, p{  
    color:rgb(111, 106, 100)  
}
```

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(111, 106, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 106, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 4.133, 78.949 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(111, 106, 100) }
```

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

```
.border{ border-color:rgb(111, 106, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 106, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 106, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 106, 100);  
box-shadow:4px 4px 4px 4px rgb(111, 106,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 4.133, 78.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 106, 100) }
```

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

```
.background{ background-color: rgb(111,  
106, 100) }
```

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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