

Converting Colors

CIELCh(45, 5.917, 333.963)

Have a look what the booklet for
CIELCh(45, 5.917, 333.963) contains.

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Color

CIELCh(45, 5.868, 334.814)

Conversions

Conversions Part 1

Format	Color
Hex	72686F
RGB	114, 104, 111
RGB Percent	45%, 41%, 44%
CMY	0.5541, 0.5933, 0.5658
CMYK	0.00, 0.09, 0.03, 0.55
HSL	318°, 5%, 43%
HSV	318°, 9%, 45%
XYZ	14.6759, 14.5417, 16.9883
YIQ	107.7880, 3.7130, 4.2970

Conversions

Conversions Part 2

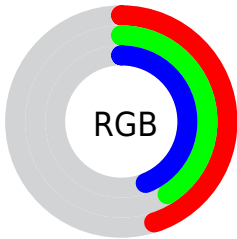
Format	Color
R_{YB}	114, 104, 111
Decimal	7497839
CIE _{Lab}	45.00, 5.31, -2.50
CIE _{LCh}	45, 5.868, 334.814
Yxy	14.5417, 0.3176, 0.3147
Android (android.graphics.Color)	4285687919 (0xFF72686F)
YUV	107.7880, 1.5835, 5.4479
Hunter-Lab	38.1336, 1.9628, 0.2802

Details

The CIELCh color **45, 5.868, 334.814** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 5.838, 153.743**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 6.140, 333.590**, and **25, 5.681, 336.490** is the 20% darker color. If you saturate the color by 10%, you get **42, 12.621, 335.516**, and if you desaturate by 10%, it is **48, 0.795, 154.496**.

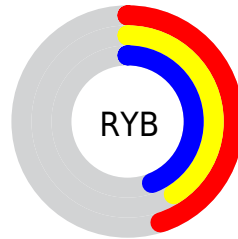
Distribution



Red (45%)

Green (41%)

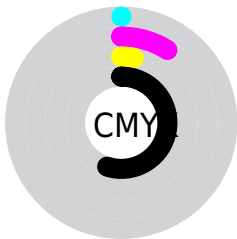
Blue (44%)



Red (45%)

Yellow (41%)

Blue (44%)

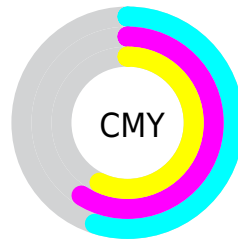


Cyan (0%)

Magenta (9%)

Yellow (3%)

Black (55%)



Cyan (55%)

Magenta (59%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 5.868, 334.814 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, 5.868, 334.814 by changing the saturation by 10% instead.

■ 45, 5.868, 334.814

■ 45, 5.868, 334.814

■ 100, 5.868,
334.814

■ 35, 5.868, 334.814

■ 65, 5.868, 334.814

■ 25, 5.868, 334.814

■ 75, 5.868, 334.814

■ 15, 5.868, 334.814

■ 85, 5.868, 334.814

■ 5, 5.868, 334.814

■ 95, 5.868, 334.814

■ 0, 5.868, 334.814

■ 45, 5.868, 334.814

■ 45, 5.868, 334.814

■ 42, 12.621,
335.516

■ 48, 0.795, 154.496

■ 39, 19.383,

■ 52, 7.313, 153.639

336.243

55, 13.658,
153.053

36, 26.027,
337.016

59, 19.819,
152.508

33, 32.371,
337.847

62, 25.794,
151.996

30, 38.175,
338.754

66, 31.586,
151.513

28, 43.157,
339.765

69, 37.205,
151.059

26, 47.023,
340.919

72, 42.659,
150.630

25, 49.541,
342.272

76, 47.960,
150.226

24, 51.090,
343.783

Harmonies

Complementary

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



45, 5.868, 334.814



47, 5.838, 153.743

Rectangle

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



45, 5.868, 334.814



45, 5.868, 24.814



45, 5.868, 154.814



45, 5.868, 204.814

Sweetspot

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



45, 5.866, 334.816



60, 2.475, 334.375



44, 6.121, 302.288



30, 1.865, 334.440



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 5.866, 334.816



57, 9.125, 334.991



45, 4.329, 3.948



22, 3.714, 334.830



26, 53.193, 344.079



55, 89.891, 345.290

Inverse Universe

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



45, 5.866, 334.816



57, 9.125, 334.991



47, 4.188, 182.591



22, 3.714, 334.830



26, 53.193, 344.079



55, 89.891, 345.290

Previews

White Background



This preview shows how the CIELCh color 45, 5.868, 334.814 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, 5.868, 334.814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

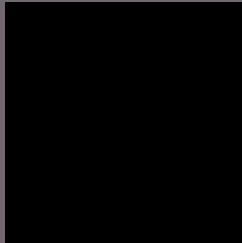
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 5.868, 334.814

Background



This preview shows how black text looks on a background with the CIELCh color 45, 5.868, 334.814.



This preview shows how white text looks on a background with the CIELCh color 45, 5.868, 334.814.

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

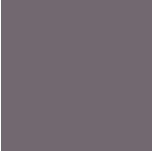
45, 5.868, 334.814

Protanopia

45, 3.612, 297.078

Deuteranopia

45, 6.874, 336.332



Tritanopia
45, 6.302, 331.012

Trichromacy



Original Color

45, 5.868, 334.814

Protanomaly

45, 4.504, 311.751

Deuteranomaly

45, 6.874, 336.332

Tritanomaly

45, 6.302, 331.012

Monochromacy



Original Color

45, 5.868, 334.814

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 1.726, 335.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 5.868, 334.814 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(114, 104, 111)` looks like.

```
.text, #text, p{  
    color:rgb(114, 104, 111)  
}
```

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(114, 104, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 104, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 5.868, 334.814 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(114, 104, 111) }
```

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

```
.border{ border-color:rgb(114, 104, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 104, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 104, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 104, 111);  
box-shadow:4px 4px 4px 4px rgb(114, 104,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 5.868, 334.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 104, 111) }
```

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

```
.background{ background-color: rgb(114,  
104, 111) }
```

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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