

Converting Colors

CIELCh(45, 3.152, 311.940)

Have a look what the booklet for
CIELCh(45, 3.152, 311.940) contains.

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Color

CIELCh(45, 3.244, 312.631)

Conversions

Conversions Part 1

Format	Color
Hex	6C696E
RGB	108, 105, 110
RGB Percent	42%, 41%, 43%
CMY	0.5748, 0.5865, 0.5669
CMYK	0.02, 0.05, 0.00, 0.57
HSL	276°, 2%, 42%
HSV	276°, 5%, 43%
XYZ	14.1708, 14.5417, 16.9360
YIQ	106.4670, 0.1830, 2.1910

Conversions

Conversions Part 2

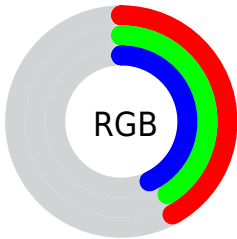
Format	Color
R_{YB}	108, 105, 110
Decimal	7104878
CIE Lab	45.00, 2.20, -2.39
CIE LCh	45, 3.244, 312.631
Yxy	14.5417, 0.3104, 0.3186
Android (android.graphics.Color)	4285294958 (0xFF6C696E)
YUV	106.4670, 1.7418, 1.3444
Hunter-Lab	38.1336, -0.4013, 0.3614

Details

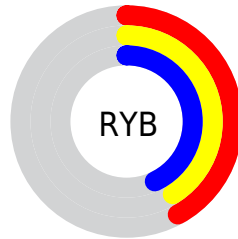
The CIELCh color **45, 3.244, 312.631** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 3.217, 132.334**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 3.546, 309.198**, and **25, 3.578, 312.752** is the 20% darker color. If you saturate the color by 10%, you get **41, 10.518, 313.054**, and if you desaturate by 10%, it is **49, 3.852, 132.302**.

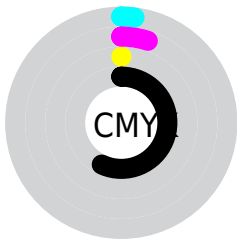
Distribution



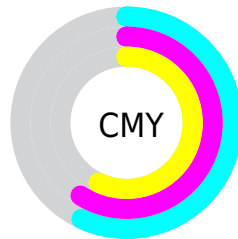
- Red (42%)
- Green (41%)
- Blue (43%)



- Red (42%)
- Yellow (41%)
- Blue (43%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (57%)



- Cyan (57%)
- Magenta (59%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 3.244, 312.631 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, 3.244, 312.631 by changing the saturation by 10% instead.

■ 45, 3.244, 312.631

■ 45, 3.244, 312.631

■ 100, 3.244,
312.631

■ 35, 3.244, 312.631

■ 65, 3.244, 312.631

■ 25, 3.244, 312.631

■ 75, 3.244, 312.631

■ 15, 3.244, 312.631

■ 85, 3.244, 312.631

■ 5, 3.244, 312.631

■ 95, 3.244, 312.631

■ 0, 3.244, 312.631

■ 45, 3.244, 312.631

■ 45, 3.244, 312.631

■ 41, 10.518,
313.054

■ 49, 3.852, 132.302

■ 38, 17.947,

■ 52, 10.753,
131.938

313.487

56, 17.459,
131.619

35, 25.479,
313.928

59, 23.971,
131.334

31, 33.026,
314.362

63, 30.296,
131.079

28, 40.445,
314.759

66, 36.442,
130.854

25, 47.518,
315.081

70, 42.418,
130.654

22, 53.940,
315.270

73, 48.232,
130.479

20, 59.326,
315.257

77, 53.894,
130.326

18, 63.430,
315.004

Harmonies

Complementary

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



45, 3.244, 312.631



46, 3.217, 132.334

Rectangle

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



45, 3.244, 312.631



45, 3.244, 2.631



45, 3.244, 132.631



45, 3.244, 182.631

Sweetspot

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



45, 3.243, 312.626



59, 0.886, 312.388



45, 1.921, 264.522



30, 0.500, 312.373



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, 3.243, 312.626



57, 4.422, 312.653



45, 3.433, 326.964



22, 2.450, 312.666



19, 69.677, 314.814



43, 119.545, 314.207

Inverse Universe

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



45, 2.391, 349.667



57, 3.261, 349.732



46, 3.421, 146.576



22, 1.807, 349.762



24, 48.376, 9.513



53, 83.047, 12.715

Previews

White Background



This preview shows how the CIELCh color 45, 3.244, 312.631 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, 3.244, 312.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

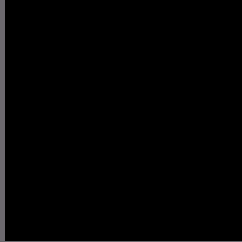
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

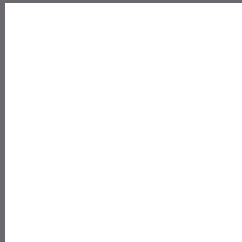
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 3.244, 312.631

Background



This preview shows how black text looks on a background with the CIELCh color 45, 3.244, 312.631.



This preview shows how white text looks on a background with the CIELCh color 45, 3.244, 312.631.

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, 3.244, 312.631

Protanopia

45, 3.020, 298.283

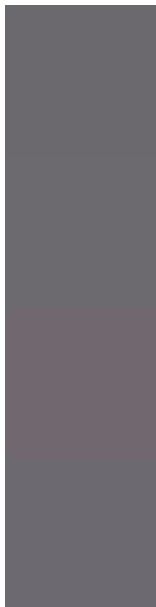
Deuteranopia

45, 6.874, 336.332



Tritanopia
45, 5.065, 309.349

Trichromacy



Original Color

45, 3.244, 312.631

Protanomaly

45, 3.105, 305.693

Deuteranomaly

45, 5.589, 331.757

Tritanomaly

45, 4.504, 311.751

Monochromacy



Original Color

45, 3.244, 312.631

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 1.459, 324.425

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 3.244, 312.631 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(108, 105, 110)` looks like.

```
.text, #text, p{  
    color:rgb(108, 105, 110)  
}
```

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(108, 105, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 105, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 3.244, 312.631 is called "border". The border property can be set on classes, ids or directly on the HTML element.

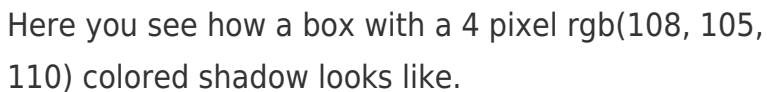
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 105, 110) }
```

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

```
.border{ border-color:rgb(108, 105, 110) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 105, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 105, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 105, 110); box-shadow:4px 4px 4px 4px rgb(108, 105, 110) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 3.244, 312.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 105, 110) }
```

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

```
.background{ background-color: rgb(108,  
105, 110) }
```

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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