

Converting Colors

CIELCh(45, 4.348, 300.467)

Have a look what the booklet for
CIELCh(45, 4.348, 300.467) contains.

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Color

CIELCh(45, 4.205, 296.235)

Conversions

Conversions Part 1

Format	Color
Hex	6B6A71
RGB	107, 106, 113
RGB Percent	42%, 42%, 44%
CMY	0.5815, 0.5854, 0.5580
CMYK	0.05, 0.06, 0.00, 0.56
HSL	249°, 3%, 43%
HSV	249°, 6%, 44%
XYZ	14.1167, 14.5417, 17.5988
YIQ	107.0970, -1.6510, 2.3890

Conversions

Conversions Part 2

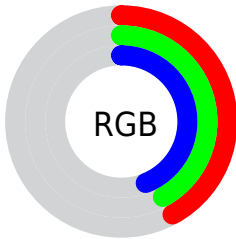
Format	Color
RYB	107, 106, 113
Decimal	7039601
CIELab	45.00, 1.86, -3.77
CIELCh	45, 4.205, 296.235
Yxy	14.5417, 0.3052, 0.3144
Android (android.graphics.Color)	4285229681 (0xFF6B6A71)
YUV	107.0970, 2.9102, -0.0851
Hunter-Lab	38.1336, -0.6549, -0.6690

Details

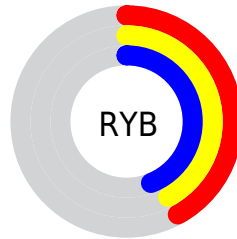
The CIELCh color $45, 4.205, 296.235$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 4.141, 115.332$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 4.474, 295.464$, and $25, 3.986, 297.313$ is the 20% darker color. If you saturate the color by 10%, you get $41, 11.175, 297.049$, and if you desaturate by 10%, it is $49, 2.514, 115.510$.

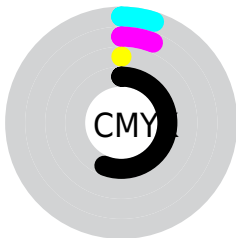
Distribution



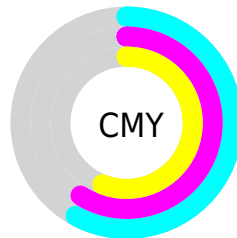
- Red (42%)
- Green (42%)
- Blue (44%)



- Red (42%)
- Yellow (42%)
- Blue (44%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (56%)



- Cyan (58%)
- Magenta (59%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 4.205, 296.235 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, 4.205, 296.235 by changing the saturation by 10% instead.

■ 45, 4.205, 296.235

■ 45, 4.205, 296.235

■ 100, 4.205,
296.235

■ 35, 4.205, 296.235

■ 65, 4.205, 296.235

■ 25, 4.205, 296.235

■ 75, 4.205, 296.235

■ 15, 4.205, 296.235

■ 85, 4.205, 296.235

■ 5, 4.205, 296.235

■ 95, 4.205, 296.235

■ 0, 4.205, 296.235

■ 45, 4.205, 296.235

■ 45, 4.205, 296.235

■ 41, 11.175,
297.049

■ 49, 2.514, 115.510

■ 37, 18.413,

■ 53, 8.992, 114.897

297.996

57, 15.248,
114.366

33, 25.925,
299.080

61, 21.294,
113.907

29, 33.699,
300.302

65, 27.145,
113.509

25, 41.679,
301.648

69, 32.813,
113.164

21, 49.720,
303.070

73, 38.310,
112.865

17, 57.503,
304.468

77, 43.646,
112.606

14, 64.438,
305.672

80, 48.831,
112.380

12, 70.088,
306.619

Harmonies

Complementary

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



45, 4.205, 296.235



47, 4.141, 115.332

Rectangle

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



45, 4.205, 296.235



45, 4.205, 346.235



45, 4.205, 116.235



45, 4.205, 166.235

Sweetspot

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



45, 4.204, 296.227



59, 1.661, 295.921



47, 2.478, 212.175



31, 0.952, 295.910



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, 4.204, 296.227



57, 5.851, 296.301



45, 4.562, 313.804



22, 3.041, 296.303



12, 75.644, 307.054



32, 129.790, 306.751

Inverse Universe

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



46, 4.593, 328.909



58, 6.385, 328.970



47, 4.527, 133.366



22, 3.319, 328.971



27, 59.383, 334.580



57, 100.805, 335.002

Previews

White Background



This preview shows how the CIELCh color 45, 4.205, 296.235 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, 4.205, 296.235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

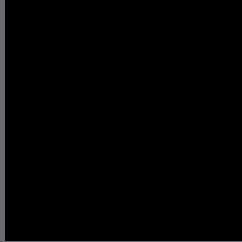
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

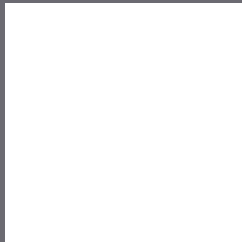
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 4.205, 296.235

Background



This preview shows how black text looks on a background with the CIELCh color 45, 4.205, 296.235.



This preview shows how white text looks on a background with the CIELCh color 45, 4.205, 296.235.

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, 4.205, 296.235

Protanopia

45, 4.181, 290.774

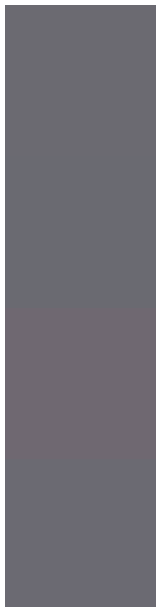
Deuteranopia

45, 7.489, 327.498



Tritanopia
45, 4.799, 295.621

Trichromacy



Original Color

45, 4.205, 296.235

Protanomaly

45, 4.181, 290.774

Deuteranomaly

45, 6.106, 318.447

Tritanomaly

45, 4.799, 295.621

Monochromacy



Original Color

45, 4.205, 296.235

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 1.197, 290.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 4.205, 296.235 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(107, 106, 113)` looks like.

```
.text, #text, p{  
    color:rgb(107, 106, 113)  
}
```

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(107, 106, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 106, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 4.205, 296.235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

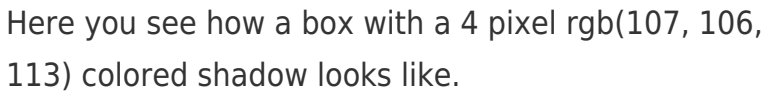
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 106, 113) }
```

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

```
.border{ border-color:rgb(107, 106, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 106, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 106, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 106, 113); box-shadow:4px 4px 4px 4px rgb(107, 106, 113) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 4.205, 296.235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 106, 113) }
```

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

```
.background{ background-color: rgb(107,  
106, 113) }
```

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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