

Converting Colors

CIELCh(45, 9.418, 308.452)

Have a look what the booklet for
CIELCh(45, 9.418, 308.452) contains.

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Color

CIELCh(45, 9.418, 308.452)

Conversions

Conversions Part 1

Format	Color
Hex	6F6877
RGB	111, 104, 119
RGB Percent	44%, 41%, 47%
CMY	0.5657, 0.5931, 0.5343
CMYK	0.07, 0.13, 0.00, 0.53
HSL	268°, 7%, 44%
HSV	268°, 13%, 47%
XYZ	14.7658, 14.5417, 19.4036
YIQ	107.8030, -0.6430, 6.1490

Conversions

Conversions Part 2

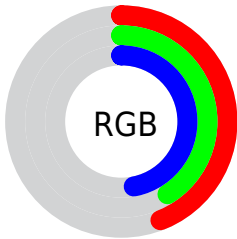
Format	Color
R _Y B	111, 104, 119
Decimal	7301239
CIE Lab	45.00, 5.86, -7.38
CIE LCh	45, 9.418, 308.452
Yxy	14.5417, 0.3031, 0.2985
Android (android.graphics.Color)	4285491319 (0xFF6F6877)
YUV	107.8030, 5.5201, 2.8038
Hunter-Lab	38.1336, 2.3835, -3.4752

Details

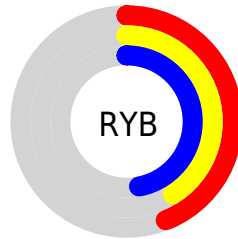
The CIELCh color $45, 9.418, 308.452$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 9.249, 127.349$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 9.428, 309.469$, and $25, 9.628, 307.422$ is the 20% darker color. If you saturate the color by 10%, you get $41, 17.109, 308.950$, and if you desaturate by 10%, it is $49, 1.934, 307.967$.

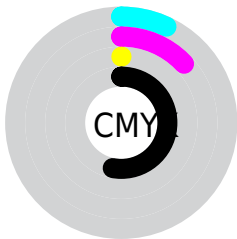
Distribution



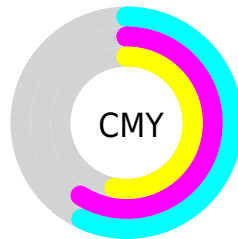
- Red (44%)
- Green (41%)
- Blue (47%)



- Red (44%)
- Yellow (41%)
- Blue (47%)



- Cyan (7%)
- Magenta (13%)
- Yellow (0%)
- Black (53%)



- Cyan (57%)
- Magenta (59%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 9.418, 308.452 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, 9.418, 308.452 by changing the saturation by 10% instead.

■ 45, 9.418, 308.452

■ 45, 9.418, 308.452

■ 100, 9.418,
308.452

■ 35, 9.418, 308.452

■ 65, 9.418, 308.452

■ 25, 9.418, 308.452

■ 75, 9.418, 308.452

■ 15, 9.418, 308.452

■ 85, 9.418, 308.452

■ 5, 9.418, 308.452

■ 95, 9.418, 308.452

■ 0, 9.418, 308.452

■ 45, 9.418, 308.452

■ 45, 9.418, 308.452

■ 41, 17.109,
308.950

■ 49, 1.934, 307.967

■ 37, 24.983,

■ 53, 5.328, 127.610

309.483

57, 12.370,
127.238

33, 32.980,
310.040

61, 19.197,
126.914

30, 40.991,
310.594

64, 25.817,
126.630

26, 48.829,
311.105

68, 32.240,
126.382

23, 56.191,
311.511

72, 38.477,
126.167

20, 62.645,
311.724

76, 44.537,
125.980

18, 67.676,
311.638

80, 50.432,
125.820

16, 71.133,
311.599

Harmonies

Complementary

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



45, 9.418, 308.452



49, 9.249, 127.349

Rectangle

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



45, 9.418, 308.452



45, 9.418, 358.452



45, 9.418, 128.452



45, 9.418, 178.452

Sweetspot

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



45, 9.417, 308.450



62, 3.680, 308.045



47, 5.071, 251.384



32, 2.638, 308.076



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 9.417, 308.450



57, 14.009, 308.584



46, 10.636, 323.703



23, 4.135, 308.279



17, 72.716, 311.564



39, 124.035, 310.955

Inverse Universe

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



46, 7.796, 342.845



58, 11.584, 343.082



48, 10.612, 142.439



23, 3.427, 342.539



25, 49.806, 357.372



54, 83.868, 359.675

Previews

White Background



This preview shows how the CIELCh color 45, 9.418, 308.452 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, 9.418, 308.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

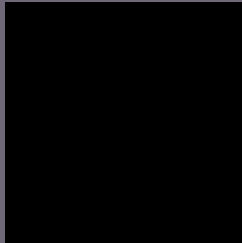
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 9.418, 308.452

Background



This preview shows how black text looks on a background with the CIELCh color 45, 9.418, 308.452.



This preview shows how white text looks on a background with the CIELCh color 45, 9.418, 308.452.

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, 9.418, 308.452

Protanopia

45, 8.377, 286.044

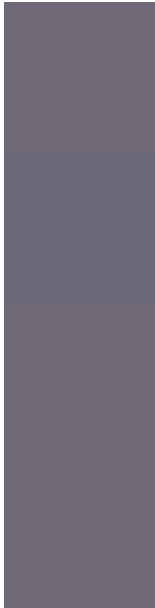
Deuteranopia

45, 9.418, 308.452



Tritanopia
45, 5.210, 313.569

Trichromacy



Original Color

45, 9.418, 308.452

Protanomaly

45, 8.979, 293.916

Deuteranomaly

45, 9.418, 308.452

Tritanomaly

45, 6.325, 309.423

Monochromacy



Original Color

45, 9.418, 308.452

Achromatopsia

46, 0.006, 296.813

Achromatomaly

45, 3.797, 309.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 9.418, 308.452 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, 104, 119)` looks like.

```
.text, #text, p{  
    color:rgb(111, 104, 119)  
}
```

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, 104, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 104, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 9.418, 308.452 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, 104, 119) }
```

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

```
.border{ border-color:rgb(111, 104, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 104, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 104, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 104, 119); box-shadow:4px 4px 4px 4px rgb(111, 104, 119) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 9.418, 308.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 104, 119) }
```

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

```
.background{ background-color: rgb(111,  
104, 119) }
```

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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