

Converting Colors

CIELCh(45, 45.740, 309.171)

Have a look what the booklet for
CIELCh(45, 45.740, 309.171)
contains.

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Color

CIELCh(45, 46.014, 309.427)

Conversions

Conversions Part 1

Format	Color
Hex	7C5BA6
RGB	124, 91, 166
RGB Percent	49%, 36%, 65%
CMY	0.5134, 0.6428, 0.3487
CMYK	0.25, 0.45, 0.00, 0.35
HSL	266°, 30%, 50%
HSV	266°, 45%, 65%
XYZ	18.9612, 14.5417, 37.9222
YIQ	109.4170, -4.4070, 30.3210

Conversions

Conversions Part 2

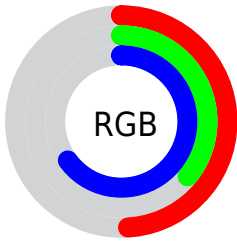
Format	Color
RYB	124, 91, 166
Decimal	8149926
CIELab	45.00, 29.22, -35.54
CIELCh	45, 46.014, 309.427
Yxy	14.5417, 0.2655, 0.2036
Android (android.graphics.Color)	4286340006 (0xFF7C5BA6)
YUV	109.4170, 27.8954, 12.7893
Hunter-Lab	38.1336, 22.0218, -32.2678

Details

The CIELCh color $45, 46.014, 309.427$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $64, 42.705, 124.800$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 45.632, 309.403$, and $25, 46.260, 309.530$ is the 20% darker color. If you saturate the color by 10%, you get $40, 56.540, 310.031$, and if you desaturate by 10%, it is $50, 35.454, 308.814$.

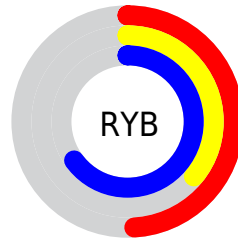
Distribution



Red (49%)

Green (36%)

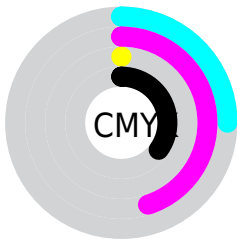
Blue (65%)



Red (49%)

Yellow (36%)

Blue (65%)

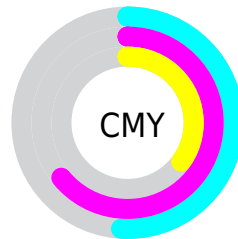


Cyan (25%)

Magenta (45%)

Yellow (0%)

Black (35%)



Cyan (51%)


Magenta (64%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 46.014, 309.427 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, 46.014, 309.427 by changing the saturation by 10% instead.


 45, 46.014,
309.427


 45, 46.014,
309.427


 100, 46.014,
309.427


 35, 46.014,
309.427

 65, 46.014,
309.427


 25, 46.014,
309.427

 75, 46.014,
309.427

 15, 46.014,
309.427

 85, 46.014,
309.427

 5, 46.014, 309.427

 95, 46.014,
309.427

 0, 46.014, 309.427

 45, 46.014,

 45, 46.014,

309.427

40, 56.540,
310.031

36, 66.722,
310.572

31, 76.055,
310.967

28, 83.839,
311.101

25, 89.336,
310.854

24, 91.600,
310.709

309.427

50, 35.454,
308.814

55, 25.042,
308.225

60, 14.873,
307.676

65, 4.991, 307.167

71, 4.588, 126.757

76, 13.862,
126.349

81, 22.841,
125.999

86, 31.536,
125.694

■ 91, 39.963,
125.430

Harmonies

Complementary

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



45, 46.014, 309.427



64, 42.705, 124.800

Rectangle

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



45, 46.014, 309.427



45, 46.014, 359.427



45, 46.014, 129.427



45, 46.014, 179.427

Sweetspot

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



45, 46.013, 309.427



78, 17.033, 307.629



54, 22.548, 255.438



40, 11.890, 307.739



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



45, 46.013, 309.427



53, 68.738, 310.022



49, 49.444, 324.797



33, 5.563, 307.374



21, 84.031, 310.815



1, 9.910, 304.723

Inverse Universe

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



49, 37.521, 344.746



59, 54.810, 346.016



62, 49.311, 139.521



33, 4.719, 341.232



32, 57.468, 355.748



2, 8.089, 344.504

Previews

White Background



This preview shows how the CIELCh color 45, 46.014, 309.427 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, 46.014, 309.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

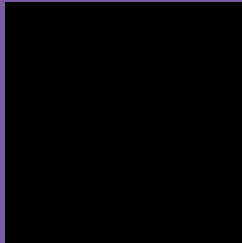
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 46.014, 309.427

Background



This preview shows how black text looks on a background with the CIELCh color 45, 46.014, 309.427.



This preview shows how white text looks on a background with the CIELCh color 45, 46.014, 309.427.

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, 46.014, 309.427

Protanopia

45, 44.286, 286.118

Deuteranopia

45, 34.486, 281.317



Tritanopia
45, 7.026, 330.433

Trichromacy



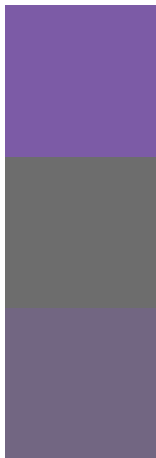
Original Color
45, 46.014, 309.427

Protanomaly
45, 44.717, 293.832

Deuteranomaly
45, 37.586, 292.366

Tritanomaly
45, 21.095, 312.736

Monochromacy



Original Color
45, 46.014, 309.427

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 17.413, 307.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 46.014, 309.427 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(124, 91, 166)` looks like.

```
.text, #text, p{  
    color:rgb(124, 91, 166)  
}
```

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(124, 91, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 91, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 46.014, 309.427 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(124, 91, 166) }
```

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

```
.border{ border-color:rgb(124, 91, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 91, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 91, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 91, 166);  
box-shadow:4px 4px 4px 4px rgb(124, 91,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 46.014, 309.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 91, 166) }
```

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

```
.background{ background-color: rgb(124, 91,  
166) }
```

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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