

Converting Colors

CIELCh(44, 45.973, 308.609)

Have a look what the booklet for
CIELCh(44, 45.973, 308.609)
contains.

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Color

CIELCh(44, 46.035, 308.626)

Conversions

Conversions Part 1

Format	Color
Hex	7859A4
RGB	120, 89, 164
RGB Percent	47%, 35%, 64%
CMY	0.5291, 0.6507, 0.3566
CMYK	0.27, 0.46, 0.00, 0.36
HSL	265°, 30%, 50%
HSV	265°, 46%, 64%
XYZ	18.0424, 13.8382, 36.8787
YIQ	106.8190, -5.5990, 29.8970

Conversions

Conversions Part 2

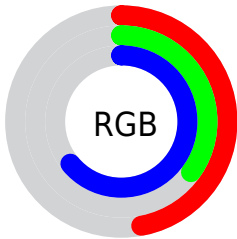
Format	Color
RYB	120, 89, 164
Decimal	7887268
CIELab	44.00, 28.74, -35.96
CIElCh	44, 46.035, 308.626
Yxy	13.8382, 0.2624, 0.2013
Android (android.graphics.Color)	4286077348 (0xFF7859A4)
YUV	106.8190, 28.1902, 11.5597
Hunter-Lab	37.1997, 21.4757, -32.7385

Details

The CIELCh color $44, 46.035, 308.626$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $64, 42.500, 123.767$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 45.587, 308.597$, and $24, 46.397, 308.786$ is the 20% darker color. If you saturate the color by 10%, you get $39, 56.494, 309.277$, and if you desaturate by 10%, it is $49, 35.564, 307.973$.

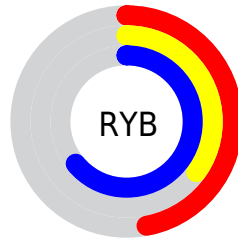
Distribution



Red (47%)

Green (35%)

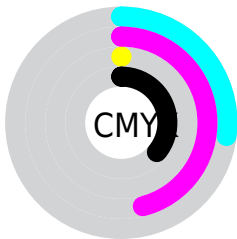
Blue (64%)



Red (47%)

Yellow (35%)

Blue (64%)

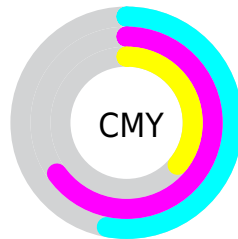


Cyan (27%)

Magenta (46%)

Yellow (0%)

Black (36%)



Cyan (53%)

Magenta (65%)


Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 46.035, 308.626 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 44, 46.035, 308.626 by changing the saturation by 10% instead.


 44, 46.035,
308.626

 44, 46.035,
308.626

 100, 46.035,
308.626

 34, 46.035,
308.626

 64, 46.035,
308.626


 24, 46.035,
308.626

 74, 46.035,
308.626

 14, 46.035,
308.626

 84, 46.035,
308.626

 4, 46.035, 308.626

 94, 46.035,
308.626

 0, 46.035, 308.626

 44, 46.035,

 44, 46.035,

308.626

39, 56.494,
309.277

35, 66.634,
309.871

30, 75.948,
310.320

27, 83.716,
310.503

24, 89.204,
310.300

23, 91.276,
310.206

308.626

49, 35.564,
307.973

54, 25.258,
307.350

59, 15.205,
306.774

64, 5.446, 306.245

70, 4.006, 125.814

75, 13.154,
125.391

80, 22.007,
125.030

85, 30.577,
124.716

■ 90, 38.880,
124.444

Harmonies

Complementary

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



44, 46.035, 308.626



64, 42.500, 123.767

Rectangle

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



44, 46.035, 308.626



44, 46.035, 358.626



44, 46.035, 128.626



44, 46.035, 178.626

Sweetspot

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



44, 46.034, 308.626



77, 16.793, 306.694



54, 21.905, 251.203



39, 11.610, 306.807



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



44, 46.034, 308.626



51, 69.294, 309.298



48, 49.201, 323.811



32, 5.397, 306.428



20, 83.412, 310.316



1, 8.232, 304.566

Inverse Universe

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



48, 38.188, 343.347



58, 56.003, 344.613



61, 48.902, 138.715



32, 4.686, 339.917



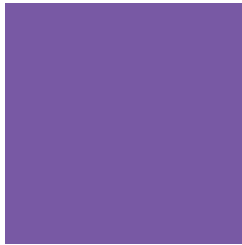
31, 57.347, 353.382



1, 6.951, 341.985

Previews

White Background



This preview shows how the CIELCh color 44, 46.035, 308.626 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 CIELCh color 44, 46.035, 308.626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

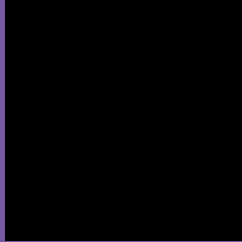
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 46.035, 308.626

Background



This preview shows how black text looks on a background with the CIELCh color 44, 46.035, 308.626.



This preview shows how white text looks on a background with the CIELCh color 44, 46.035, 308.626.

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


44, 46.035, 308.626

Protanopia

44, 44.447, 285.990

Deuteranopia

44, 34.683, 280.635



Tritanopia
44, 5.825, 324.789

Trichromacy



Original Color
44, 46.035, 308.626

Protanomaly
44, 44.869, 293.582

Deuteranomaly
44, 37.733, 291.562

Tritanomaly
44, 20.926, 310.739

Monochromacy



Original Color
44, 46.035, 308.626

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 17.469, 307.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 46.035, 308.626 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(120, 89, 164)` looks like.

```
.text, #text, p{  
    color:rgb(120, 89, 164)  
}
```

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(120, 89, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 89, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 46.035, 308.626 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(120, 89, 164) }
```

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

```
.border{ border-color:rgb(120, 89, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 89, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 89, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 89, 164);  
box-shadow:4px 4px 4px 4px rgb(120, 89,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 46.035, 308.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 89, 164) }
```

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

```
.background{ background-color: rgb(120, 89,  
164) }
```

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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