

Converting Colors

CIELCh(49, 45.984, 308.156)

Have a look what the booklet for
CIELCh(49, 45.984, 308.156)
contains.

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Color

CIELCh(49, 45.747, 307.856)

Conversions

Conversions Part 1

Format	Color
Hex	8466B2
RGB	132, 102, 178
RGB Percent	52%, 40%, 70%
CMY	0.4827, 0.6003, 0.3023
CMYK	0.26, 0.43, 0.00, 0.30
HSL	264°, 33%, 55%
HSV	264°, 43%, 70%
XYZ	22.2701, 17.5941, 44.2910
YIQ	119.6340, -6.5160, 29.9960

Conversions

Conversions Part 2

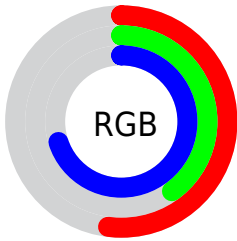
Format	Color
R _Y B	132, 102, 178
Decimal	8677042
CIE Lab	49.00, 28.07, -36.12
CIE LCh	49, 45.747, 307.856
Yxy	17.5941, 0.2646, 0.2091
Android (android.graphics.Color)	4286867122 (0xFF8466B2)
YUV	119.6340, 28.7744, 10.8450
Hunter-Lab	41.9453, 21.3672, -33.2441

Details

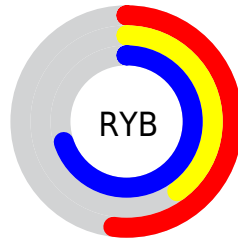
The CIELCh color $49, 45.747, 307.856$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $69, 42.355, 123.170$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 46.029, 308.165$, and $29, 46.033, 307.891$ is the 20% darker color. If you saturate the color by 10%, you get $44, 56.973, 308.552$, and if you desaturate by 10%, it is $54, 34.594, 307.176$.

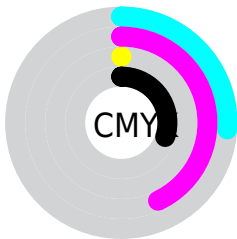
Distribution



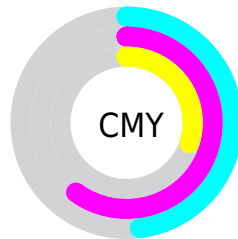
- Red (52%)
- Green (40%)
- Blue (70%)



- Red (52%)
- Yellow (40%)
- Blue (70%)



- Cyan (26%)
- Magenta (43%)
- Yellow (0%)
- Black (30%)




- Cyan (48%)
- Magenta (60%)
- Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 45.747, 307.856 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 49, 45.747, 307.856 by changing the saturation by 10% instead.

 49, 45.747,
307.856


 49, 45.747,
307.856


 100, 45.747,
307.856


 39, 45.747,
307.856

 69, 45.747,
307.856


 29, 45.747,
307.856

 79, 45.747,
307.856

 19, 45.747,
307.856

 89, 45.747,
307.856

 9, 45.747, 307.856

 99, 45.747,
307.856

 0, 45.747, 307.856

 49, 45.747,

 49, 45.747,

307.856

■ 44, 56.973,
308.552

■ 39, 67.994,
309.214

■ 34, 78.323,
309.761

■ 30, 87.228,
310.075

■ 27, 93.815,
310.012

■ 25, 97.341,
309.802

307.856

■ 54, 34.594,
307.176

■ 60, 23.668,
306.538

■ 65, 13.042,
305.955

■ 71, 2.745, 305.413

■ 77, 7.218, 124.989

■ 82, 16.853,
124.578

■ 88, 26.174,
124.224

■ 93, 35.195,
123.917

■ 97, 40.057,
121.606

Harmonies

Complementary

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



49, 45.747, 307.856



69, 42.355, 123.170

Rectangle

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



49, 45.747, 307.856



49, 45.747, 357.856



49, 45.747, 127.856



49, 45.747, 177.856

Sweetspot

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



49, 45.746, 307.856



83, 16.565, 305.983



59, 21.722, 248.313



43, 11.726, 306.107



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



49, 45.746, 307.856



57, 68.373, 308.495



53, 49.097, 323.196



35, 5.795, 305.769



21, 86.973, 309.928



1, 13.643, 301.980

Inverse Universe

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



53, 38.676, 342.061



64, 56.519, 343.097



67, 48.702, 138.542



35, 5.114, 339.038



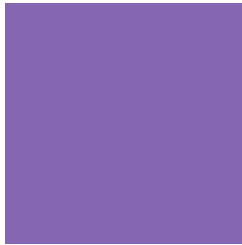
33, 59.984, 351.956



2, 11.345, 343.975

Previews

White Background



This preview shows how the CIELCh color 49, 45.747, 307.856 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 49, 45.747, 307.856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

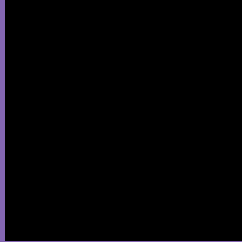
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 45.747, 307.856

Background



This preview shows how black text looks on a background with the CIELCh color 49, 45.747, 307.856.



This preview shows how white text looks on a background with the CIELCh color 49, 45.747, 307.856.

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





Tritanopia
49, 6.209, 321.709

Trichromacy



Original Color
49, 45.747, 307.856

Protanomaly
49, 43.994, 292.950

Deuteranomaly
49, 38.169, 292.185

Tritanomaly
49, 20.407, 309.614

Monochromacy



Original Color
49, 45.747, 307.856

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 17.026, 306.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 45.747, 307.856 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(132, 102, 178)` looks like.

```
.text, #text, p{  
    color:rgb(132, 102, 178)  
}
```

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(132, 102, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 102, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 45.747, 307.856 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(132, 102, 178) }
```

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

```
.border{ border-color:rgb(132, 102, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 102, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 102, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 102, 178);  
box-shadow:4px 4px 4px 4px rgb(132, 102,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 45.747, 307.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 102, 178) }
```

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

```
.background{ background-color: rgb(132,  
102, 178) }
```

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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