

Converting Colors

CIELCh(50, 45.000, 329.368)

Have a look what the booklet for
CIELCh(50, 45.000, 329.368)
contains.

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Color

CIELCh(50, 45.047, 329.230)

Conversions

Conversions Part 1

Format	Color
Hex	A55E9F
RGB	165, 94, 159
RGB Percent	65%, 37%, 62%
CMY	0.3541, 0.6324, 0.3776
CMYK	0.00, 0.43, 0.04, 0.35
HSL	305°, 28%, 51%
HSV	305°, 43%, 65%
XYZ	25.6682, 18.4187, 34.8737
YIQ	122.6390, 21.4510, 35.2670

Conversions

Conversions Part 2

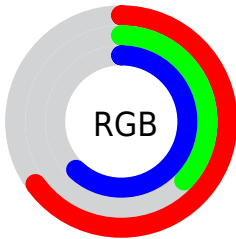
Format	Color
R_{YB}	165, 94, 159
Decimal	10837663
CIE _{Lab}	50.00, 38.71, -23.05
CIE _{LCh}	50, 45.047, 329.230
Yxy	18.4187, 0.3251, 0.2333
Android (android.graphics.Color)	4289027743 (0xFFA55E9F)
YUV	122.6390, 17.9260, 37.1506
Hunter-Lab	42.9170, 31.6544, -18.1363

Details

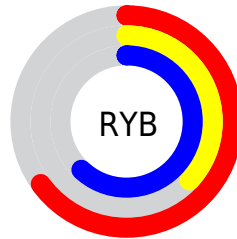
The CIELCh color $50, 45.047, 329.230$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $62, 45.155, 143.432$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 45.197, 329.040$, and $30, 44.893, 329.200$ is the 20% darker color. If you saturate the color by 10%, you get $47, 54.425, 329.768$, and if you desaturate by 10%, it is $54, 34.940, 328.672$.

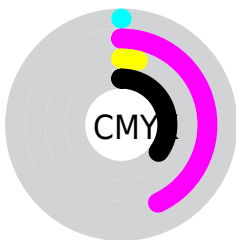
Distribution



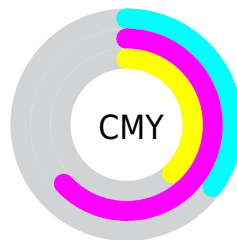
- Red (65%)
- Green (37%)
- Blue (62%)



- Red (65%)
- Yellow (37%)
- Blue (62%)



- Cyan (0%)
- Magenta (43%)
- Yellow (4%)
- Black (35%)





- Cyan (35%)
- Magenta (63%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 45.047, 329.230 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 50, 45.047, 329.230 by changing the saturation by 10% instead.


 50, 45.047,
329.230


 50, 45.047,
329.230


 100, 45.047,
329.230


 40, 45.047,
329.230


 70, 45.047,
329.230

 30, 45.047,
329.230


 80, 45.047,
329.230


 20, 45.047,
329.230

 90, 45.047,
329.230

 10, 45.047,
329.230

 0, 45.047, 329.230

 50, 45.047,
329.230

 50, 45.047,
329.230

47, 54.425,
329.768

54, 34.940,
328.672

44, 62.677,
330.275

58, 24.447,
328.101

41, 69.380,
330.748

62, 13.822,
327.524

40, 74.182,
331.186

66, 3.247, 326.904

71, 7.161, 146.463

39, 76.923,
331.597

75, 17.327,
145.912

38, 78.026,
331.872

80, 27.213,
145.398

84, 36.801,
144.911

89, 46.090,
144.451

Harmonies

Complementary

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



50, 45.047, 329.230



62, 45.155, 143.432

Rectangle

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



50, 45.047, 329.230



50, 45.047, 19.230



50, 45.047, 149.230



50, 45.047, 199.230

Sweetspot

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



50, 45.045, 329.230



79, 17.000, 327.532



43, 42.709, 298.359



40, 11.885, 327.655



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



50, 45.045, 329.230



60, 66.038, 329.761



49, 33.002, 353.154



32, 5.916, 327.300



33, 71.237, 331.831



1, 8.997, 327.567

Inverse Universe

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



50, 45.045, 329.230



60, 66.038, 329.761



62, 30.576, 164.003



32, 5.916, 327.300



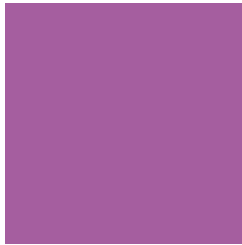
33, 71.237, 331.831



1, 8.997, 327.567

Previews

White Background



This preview shows how the CIELCh color 50, 45.047, 329.230 looks on a white background.

Color Contrast Check

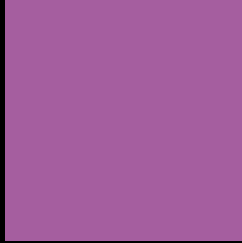
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 45.047, 329.230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

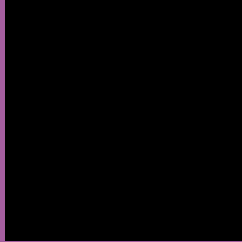
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 45.047, 329.230

Background



This preview shows how black text looks on a background with the CIELCh color 50, 45.047, 329.230.

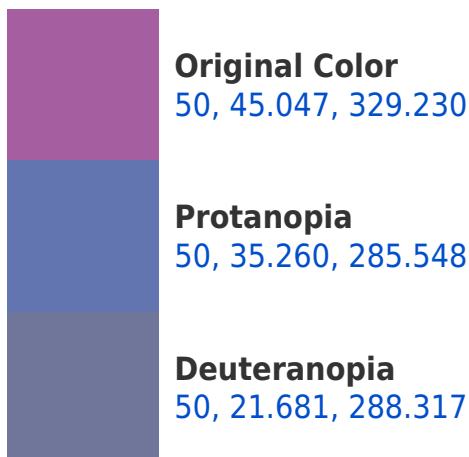


This preview shows how white text looks on a background with the CIELCh color 50, 45.047, 329.230.

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
50, 23.659, 11.325

Trichromacy



Original Color
50, 45.047, 329.230

Protanomaly
50, 36.201, 301.996

Deuteranomaly
50, 28.793, 309.440

Tritanomaly
50, 29.374, 348.736

Monochromacy



Original Color
50, 45.047, 329.230

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 16.886, 328.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 45.047, 329.230 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(165, 94, 159)` looks like.

```
.text, #text, p{  
    color:rgb(165, 94, 159)  
}
```

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(165, 94, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 94, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 45.047, 329.230 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(165, 94, 159) }
```

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

```
.border{ border-color:rgb(165, 94, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 94, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 94, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 94, 159);  
box-shadow:4px 4px 4px 4px rgb(165, 94,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 45.047, 329.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 94, 159) }
```

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

```
.background{ background-color: rgb(165, 94,  
159) }
```

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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