

Converting Colors

CIELCh(45, 49.310, 313.054)

Have a look what the booklet for
CIELCh(45, 49.310, 313.054)
contains.

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Color

CIELCh(45, 48.963, 312.811)

Conversions

Conversions Part 1

Format	Color
Hex	8358A7
RGB	131, 88, 167
RGB Percent	51%, 35%, 65%
CMY	0.4870, 0.6556, 0.3459
CMYK	0.22, 0.47, 0.00, 0.35
HSL	273°, 31%, 50%
HSV	273°, 47%, 65%
XYZ	19.7609, 14.5417, 38.2273
YIQ	109.8630, 0.2690, 33.6850

Conversions

Conversions Part 2

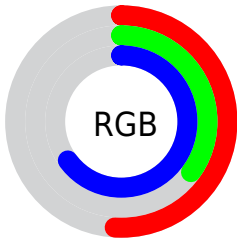
Format	Color
R_{YB}	131, 88, 167
Decimal	8607911
CIE _{Lab}	45.00, 33.27, -35.92
CIE _{LCh}	45, 48.963, 312.811
Yxy	14.5417, 0.2725, 0.2005
Android (android.graphics.Color)	4286797991 (0xFF8358A7)
YUV	109.8630, 28.1685, 18.5371
Hunter-Lab	38.1336, 25.7654, -32.7422

Details

The CIELCh color $45, 48.963, 312.811$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $64, 46.083, 128.447$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 49.206, 312.870$, and $25, 48.942, 312.940$ is the 20% darker color. If you saturate the color by 10%, you get $40, 59.277, 313.249$, and if you desaturate by 10%, it is $50, 38.410, 312.326$.

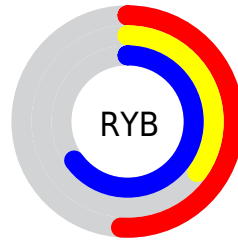
Distribution



Red (51%)

Green (35%)

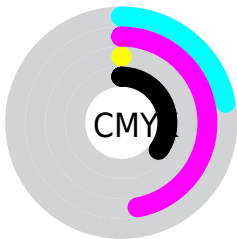
Blue (65%)



Red (51%)

Yellow (35%)

Blue (65%)

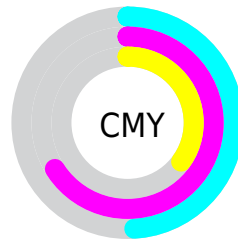


Cyan (22%)

Magenta (47%)

Yellow (0%)

Black (35%)



Cyan (49%)


Magenta (66%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 48.963, 312.811 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, 48.963, 312.811 by changing the saturation by 10% instead.


 45, 48.963,
312.811


 45, 48.963,
312.811


 100, 48.963,
312.811


 35, 48.963,
312.811

 65, 48.963,
312.811


 25, 48.963,
312.811

 75, 48.963,
312.811

 15, 48.963,
312.811

 85, 48.963,
312.811

 5, 48.963, 312.811

 95, 48.963,
312.811

 0, 48.963, 312.811

 45, 48.963,

 45, 48.963,

312.811

40, 59.277,
313.249

36, 68.974,
313.585

33, 77.514,
313.738

30, 84.244,
313.613

27, 88.774,
313.155

27, 89.882,
313.037

312.811

50, 38.410,
312.326

55, 27.864,
311.832

60, 17.470,
311.351

65, 7.306, 310.892

70, 2.585, 130.539

75, 12.189,
130.129

80, 21.503,
129.788

85, 30.533,
129.488

■ 90, 39.290,
129.224

Harmonies

Complementary

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



45, 48.963, 312.811



64, 46.083, 128.447

Rectangle

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



45, 48.963, 312.811



45, 48.963, 2.811



45, 48.963, 132.811



45, 48.963, 182.811

Sweetspot

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



45, 48.962, 312.811



78, 17.377, 311.207



51, 26.517, 267.565



40, 12.125, 311.304



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, 48.962, 312.811



52, 72.889, 313.277



49, 51.383, 327.862



33, 5.681, 310.980



23, 82.206, 313.148



1, 10.085, 308.003

Inverse Universe

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



48, 37.227, 351.277



57, 54.557, 353.073



62, 51.612, 141.580



33, 4.400, 346.849



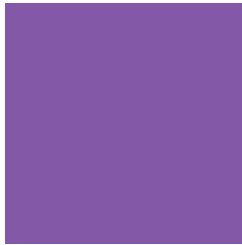
31, 56.260, 5.342



2, 7.610, 349.891

Previews

White Background



This preview shows how the CIELCh color 45, 48.963, 312.811 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 45, 48.963, 312.811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

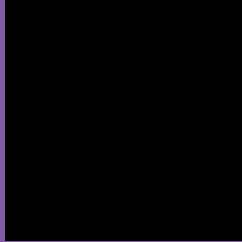
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 48.963, 312.811

Background



This preview shows how black text looks on a background with the CIELCh color 45, 48.963, 312.811.

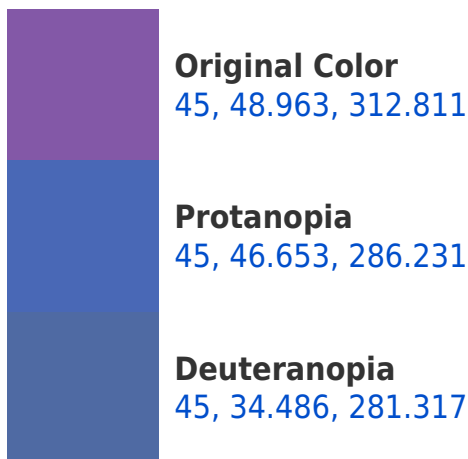



This preview shows how white text looks on a background with the CIELCh color 45, 48.963, 312.811.

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
45, 9.570, 350.873

Trichromacy



Original Color
45, 48.963, 312.811

Protanomaly
45, 46.513, 294.865

Deuteranomaly
45, 38.847, 294.909

Tritanomaly
45, 23.223, 321.529

Monochromacy



Original Color
45, 48.963, 312.811

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 18.419, 311.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 48.963, 312.811 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(131, 88, 167)` looks like.

```
.text, #text, p{  
    color:rgb(131, 88, 167)  
}
```

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(131, 88, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 88, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 48.963, 312.811 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(131, 88, 167) }
```

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

```
.border{ border-color:rgb(131, 88, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 88, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 88, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 88, 167); box-shadow:4px 4px 4px 4px rgb(131, 88, 167) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 48.963, 312.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 88, 167) }
```

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

```
.background{ background-color: rgb(131, 88,  
167) }
```

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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