

Converting Colors

CIELCh(45, 51.499, 312.058)

Have a look what the booklet for
CIELCh(45, 51.499, 312.058)
contains.

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Color

CIELCh(45, 51.706, 311.893)

Conversions

Conversions Part 1

Format	Color
Hex	8257AB
RGB	130, 87, 171
RGB Percent	51%, 34%, 67%
CMY	0.4896, 0.6583, 0.3288
CMYK	0.24, 0.49, 0.00, 0.33
HSL	271°, 33%, 51%
HSV	271°, 49%, 67%
XYZ	20.0125, 14.5417, 40.3549
YIQ	109.4330, -1.3360, 35.2400

Conversions

Conversions Part 2

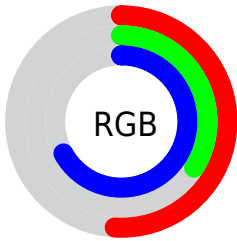
Format	Color
R_{YB}	130, 87, 171
Decimal	8542123
CIE _{Lab}	45.00, 34.53, -38.49
CIE _{LCh}	45, 51.706, 311.893
Yxy	14.5417, 0.2672, 0.1941
Android (android.graphics.Color)	4286732203 (0xFF8257AB)
YUV	109.4330, 30.3525, 18.0373
Hunter-Lab	38.1336, 26.9431, -36.0501

Details

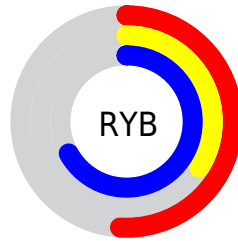
The CIELCh color $45, 51.706, 311.893$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $65, 48.251, 127.249$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 51.795, 311.940$, and $25, 51.817, 312.060$ is the 20% darker color. If you saturate the color by 10%, you get $40, 62.231, 312.361$, and if you desaturate by 10%, it is $50, 40.926, 311.377$.

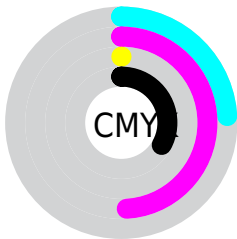
Distribution



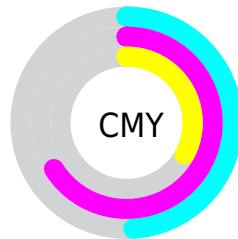
- Red (51%)
- Green (34%)
- Blue (67%)



- Red (51%)
- Yellow (34%)
- Blue (67%)



- Cyan (24%)
- Magenta (49%)
- Yellow (0%)
- Black (33%)





- Cyan (49%)
- Magenta (66%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 51.706, 311.893 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, 51.706, 311.893 by changing the saturation by 10% instead.


 45, 51.706,
311.893


 45, 51.706,
311.893


 100, 51.706,
311.893


 35, 51.706,
311.893

 65, 51.706,
311.893


 25, 51.706,
311.893

 75, 51.706,
311.893

 15, 51.706,
311.893


 85, 51.706,
311.893

 5, 51.706, 311.893

 95, 51.706,
311.893

 0, 51.706, 311.893

 45, 51.706,

 45, 51.706,

311.893

40, 62.231,
312.361

36, 72.093,
312.719

32, 80.702,
312.878

29, 87.350,
312.733

27, 91.859,
312.273

27, 92.261,
312.237

311.893

50, 40.926,
311.377

55, 30.157,
310.853

60, 19.547,
310.347

65, 9.182, 309.869

71, 0.900, 129.569

76, 10.682,
129.068

81, 20.164,
128.716

86, 29.353,
128.406

■ 91, 38.260,
128.135

Harmonies

Complementary

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



45, 51.706, 311.893



65, 48.251, 127.249

Rectangle

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



45, 51.706, 311.893



45, 51.706, 1.893



45, 51.706, 131.893



45, 51.706, 181.893

Sweetspot

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



45, 51.705, 311.893



79, 18.876, 310.160



53, 26.897, 264.464



41, 13.017, 310.260



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



45, 51.705, 311.893



52, 76.709, 312.401



50, 55.411, 326.967



34, 5.783, 309.879



23, 83.823, 312.355



1, 11.854, 306.246

Inverse Universe

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



48, 39.969, 349.517



57, 58.070, 351.312



63, 55.674, 140.530



34, 4.606, 345.026



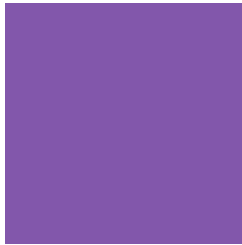
32, 57.137, 2.366



2, 9.075, 349.447

Previews

White Background



This preview shows how the CIELCh color 45, 51.706, 311.893 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, 51.706, 311.893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

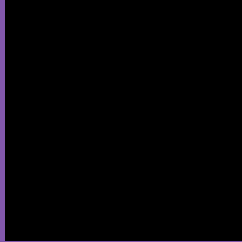
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 51.706, 311.893

Background



This preview shows how black text looks on a background with the CIELCh color 45, 51.706, 311.893.

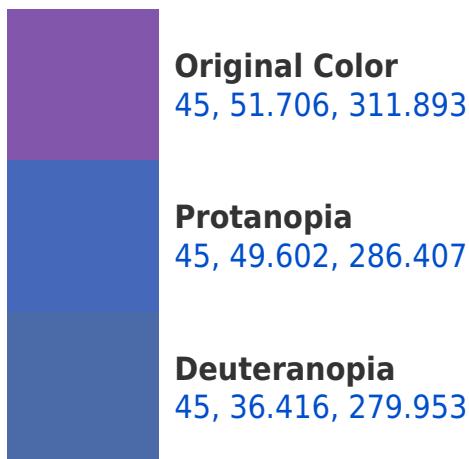



This preview shows how white text looks on a background with the CIELCh color 45, 51.706, 311.893.

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, 8.840, 348.016

Trichromacy



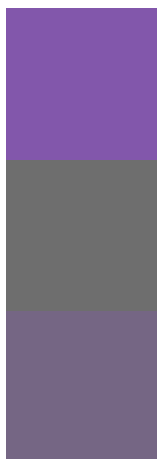
Original Color
45, 51.706, 311.893

Protanomaly
45, 49.439, 294.367

Deuteranomaly
45, 41.155, 293.130

Tritanomaly
45, 23.369, 319.062

Monochromacy



Original Color
45, 51.706, 311.893

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 18.860, 310.100

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 51.706, 311.893 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(130, 87, 171)` looks like.

```
.text, #text, p{  
    color:rgb(130, 87, 171)  
}
```

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(130, 87, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 87, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 51.706, 311.893 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(130, 87, 171) }
```

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

```
.border{ border-color:rgb(130, 87, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 87, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 87, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 87, 171);  
box-shadow:4px 4px 4px 4px rgb(130, 87,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 51.706, 311.893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 87, 171) }
```

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

```
.background{ background-color: rgb(130, 87,  
171) }
```

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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