

Converting Colors

CIELCh(60, 45.877, 310.528)

Have a look what the booklet for
CIELCh(60, 45.877, 310.528)
contains.

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Color

CIELCh(60, 45.926, 310.538)

Conversions

Conversions Part 1

Format	Color
Hex	A680CE
RGB	166, 128, 206
RGB Percent	65%, 50%, 81%
CMY	0.3478, 0.4969, 0.1909
CMYK	0.19, 0.38, 0.00, 0.19
HSL	269°, 44%, 66%
HSV	269°, 38%, 81%
XYZ	34.7235, 28.1233, 62.1871
YIQ	148.2540, -2.3900, 32.3140

Conversions

Conversions Part 2

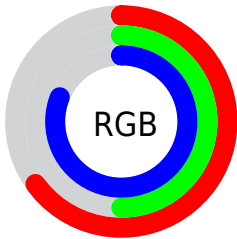
Format	Color
R_{YB}	166, 128, 206
Decimal	10911950
CIE _{Lab}	60.00, 29.85, -34.90
CIE _{LCh}	60, 45.926, 310.538
Yxy	28.1233, 0.2777, 0.2249
Android (android.graphics.Color)	4289102030 (0xFFA680CE)
YUV	148.2540, 28.4688, 15.5632
Hunter-Lab	53.0314, 24.0716, -32.4042

Details

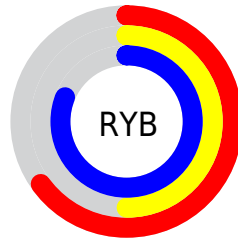
The CIELCh color $60, 45.926, 310.538$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $79, 43.434, 126.842$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 41.924, 312.275$, and $40, 45.820, 310.820$ is the 20% darker color. If you saturate the color by 10%, you get $54, 58.500, 311.094$, and if you desaturate by 10%, it is $66, 33.409, 309.984$.

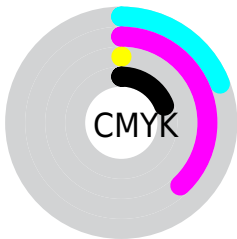
Distribution



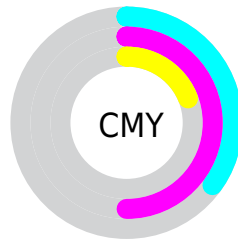
- Red (65%)
- Green (50%)
- Blue (81%)



- Red (65%)
- Yellow (50%)
- Blue (81%)



- Cyan (19%)
- Magenta (38%)
- Yellow (0%)
- Black (19%)



- Cyan (35%)
- Magenta (50%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 45.926, 310.538 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 60, 45.926, 310.538 by changing the saturation by 10% instead.

60, 45.926,
310.538

60, 45.926,
310.538

100, 45.926,
310.538

50, 45.926,
310.538

80, 45.926,
310.538

40, 45.926,
310.538

90, 45.926,
310.538

30, 45.926,
310.538

20, 45.926,
310.538

10, 45.926,
310.538

0, 45.926, 310.538

60, 45.926,

60, 45.926,

310.538

■ 54, 58.500,
311.094

■ 49, 70.847,
311.610

■ 44, 82.492,
312.022

■ 39, 92.733,
312.236

■ 35, 100.700,
312.137

■ 33, 105.785,
311.642

■ 32, 106.742,
311.527

310.538

■ 66, 33.409,
309.984

■ 72, 21.118,
309.455

■ 78, 9.136, 308.960


■ 84, 2.499, 128.577

■ 90, 13.774,
128.142

■ 96, 24.693,
127.787

■ 98, 25.239,
120.723

■ 99, 24.640,
111.847

 99, 24.579,
108.313

Harmonies

Complementary

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



60, 45.926, 310.538



79, 43.434, 126.842

Rectangle

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



60, 45.926, 310.538



60, 45.926, 0.538



60, 45.926, 130.538



60, 45.926, 180.538

Sweetspot

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



60, 45.924, 310.538



92, 15.338, 309.121



68, 23.912, 259.903



48, 10.326, 309.188



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 45.924, 310.538



68, 65.300, 310.970



64, 50.343, 325.977



40, 6.583, 309.036



25, 90.556, 311.703



2, 24.483, 306.171

Inverse Universe

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



63, 36.640, 346.611



72, 51.508, 347.602



76, 50.359, 141.258



40, 5.357, 343.699



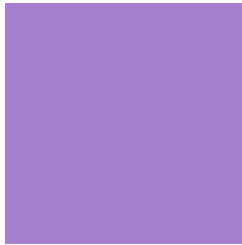
35, 61.577, 0.425



4, 20.050, 352.731

Previews

White Background



This preview shows how the CIELCh color 60, 45.926, 310.538 looks on a white background.

Color Contrast Check

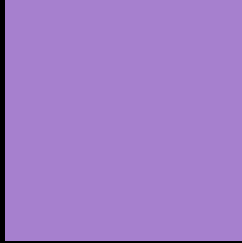
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 60, 45.926, 310.538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

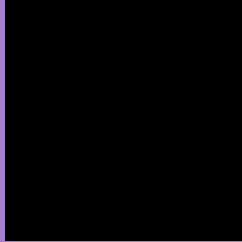
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 45.926, 310.538

Background



This preview shows how black text looks on a background with the CIELCh color 60, 45.926, 310.538.

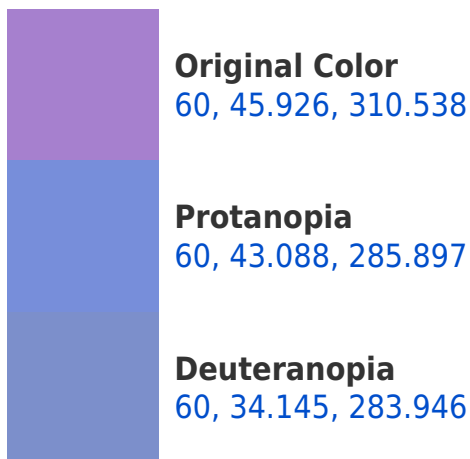



This preview shows how white text looks on a background with the CIELCh color 60, 45.926, 310.538.

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
60, 9.082, 337.241

Trichromacy



Original Color
60, 45.926, 310.538

Protanomaly
60, 43.519, 294.455

Deuteranomaly
60, 37.341, 294.713

Tritanomaly
60, 21.762, 316.130

Monochromacy



Original Color
60, 45.926, 310.538

Achromatopsia
62, 0.008, 296.813

Achromatomaly
61, 17.233, 309.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 45.926, 310.538 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(166, 128, 206)` looks like.

```
.text, #text, p{  
    color:rgb(166, 128, 206)  
}
```

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(166, 128, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 128, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 45.926, 310.538 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(166, 128, 206) }
```

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

```
.border{ border-color:rgb(166, 128, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 128, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 128, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 128, 206); box-shadow:4px 4px 4px 4px rgb(166, 128, 206) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 45.926, 310.538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 128, 206) }
```

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

```
.background{ background-color: rgb(166,  
128, 206) }
```

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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