

Converting Colors

CIELCh(60, 46.286, 311.728)

Have a look what the booklet for
CIELCh(60, 46.286, 311.728)
contains.

CIELCh(60, 46.726, 311.590)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(60, 46.726, 311.590)

Conversions

Conversions Part 1

Format	Color
Hex	A87FCE
RGB	168, 127, 206
RGB Percent	66%, 50%, 81%
CMY	0.3396, 0.5005, 0.1905
CMYK	0.18, 0.38, 0.00, 0.19
HSL	271°, 45%, 65%
HSV	271°, 38%, 81%
XYZ	35.0646, 28.1233, 62.2371
YIQ	148.2650, -0.9230, 33.2610

Conversions

Conversions Part 2

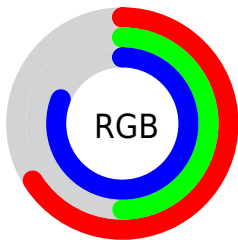
Format	Color
R_{YB}	168, 127, 206
Decimal	11042766
CIE _{Lab}	60.00, 31.02, -34.95
CIE _{LCh}	60, 46.726, 311.590
Yxy	28.1233, 0.2796, 0.2242
Android (android.graphics.Color)	4289232846 (0xFFA87FCE)
YUV	148.2650, 28.4634, 17.3076
Hunter-Lab	53.0314, 25.2200, -32.4601

Details

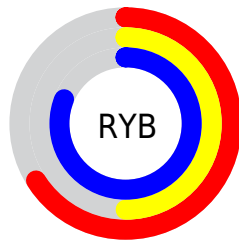
The CIELCh color $60, 46.726, 311.590$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $78, 44.346, 127.953$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 42.751, 313.361$, and $40, 46.546, 311.493$ is the 20% darker color. If you saturate the color by 10%, you get $54, 59.274, 312.105$, and if you desaturate by 10%, it is $66, 34.181, 311.066$.

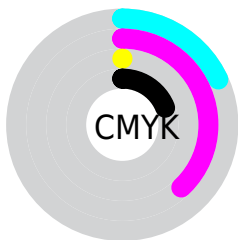
Distribution



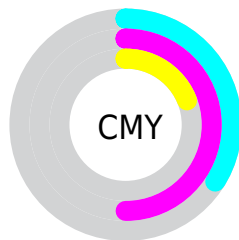
- Red (66%)
- Green (50%)
- Blue (81%)



- Red (66%)
- Yellow (50%)
- Blue (81%)



- Cyan (18%)
- Magenta (38%)
- Yellow (0%)
- Black (19%)





- Cyan (34%)
- Magenta (50%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 46.726, 311.590 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, 46.726, 311.590 by changing the saturation by 10% instead.


 60, 46.726,
311.590


 60, 46.726,
311.590


 100, 46.726,
311.590


 50, 46.726,
311.590


 80, 46.726,
311.590

 40, 46.726,
311.590

 90, 46.726,
311.590

 30, 46.726,
311.590

 20, 46.726,
311.590

 10, 46.726,
311.590

 0, 46.726, 311.590

 60, 46.726,

 60, 46.726,

311.590

54, 59.274,
312.105

49, 71.520,
312.570

44, 82.969,
312.920

40, 92.917,
313.066

36, 100.530,
312.897

34, 105.327,
312.352

33, 106.050,
312.255

311.590

66, 34.181,
311.066

72, 21.826,
310.560

78, 9.758, 310.080


84, 1.976, 129.726

90, 13.357,
129.282

96, 24.386,
128.930

98, 25.412,
122.717

98, 24.698,
114.528

 99, 24.526,
108.318

Harmonies

Complementary

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



60, 46.726, 311.590



78, 44.346, 127.953

Rectangle

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



60, 46.726, 311.590



60, 46.726, 1.590



60, 46.726, 131.590



60, 46.726, 181.590

Sweetspot

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



60, 46.724, 311.590



92, 15.436, 310.214



67, 25.107, 263.727



48, 10.391, 310.280



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, 46.724, 311.590



68, 66.991, 312.019



64, 50.600, 326.956



40, 6.626, 310.132



26, 89.942, 312.432



3, 24.637, 307.363

Inverse Universe

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



63, 36.445, 348.541



72, 51.715, 349.678



76, 50.682, 142.012



40, 5.245, 345.439



35, 61.264, 3.422



4, 19.735, 354.713

Previews

White Background



This preview shows how the CIELCh color 60, 46.726, 311.590 looks on a white background.

Color Contrast Check

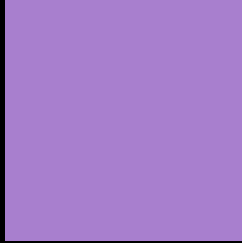
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.726, 311.590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

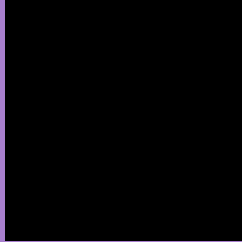
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 46.726, 311.590

Background



This preview shows how black text looks on a background with the CIELCh color 60, 46.726, 311.590.



This preview shows how white text looks on a background with the CIELCh color 60, 46.726, 311.590.

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



Original Color
60, 46.726, 311.590

Protanopia
60, 43.667, 285.748

Deuteranopia
60, 34.145, 283.946



Tritanopia
60, 9.978, 342.012

Trichromacy



Original Color
60, 46.726, 311.590

Protanomaly
60, 43.519, 294.455

Deuteranomaly
60, 37.961, 295.733

Tritanomaly
60, 22.741, 318.183

Monochromacy



Original Color
60, 46.726, 311.590

Achromatopsia
62, 0.008, 296.813

Achromatomaly
61, 17.346, 310.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 46.726, 311.590 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(168, 127, 206)` looks like.

```
.text, #text, p{  
    color:rgb(168, 127, 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(168, 127, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 127, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 46.726, 311.590 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(168, 127, 206) }
```

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

```
.border{ border-color:rgb(168, 127, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 127, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 127, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 127, 206);  
box-shadow:4px 4px 4px 4px rgb(168, 127,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 46.726, 311.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 127, 206) }
```

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

```
.background{ background-color: rgb(168,  
127, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor