

Converting Colors

CIELCh(66, 30.588, 295.755)

Have a look what the booklet for
CIELCh(66, 30.588, 295.755)
contains.

CIELCh(66, 30.588, 295.755)	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(66, 30.588, 295.755)

Conversions

Conversions Part 1

Format	Color
Hex	9F9BD2
RGB	159, 155, 210
RGB Percent	62%, 61%, 82%
CMY	0.3776, 0.3933, 0.1777
CMYK	0.24, 0.26, 0.00, 0.18
HSL	244°, 38%, 71%
HSV	244°, 26%, 82%
XYZ	37.5061, 35.3238, 65.6116
YIQ	162.4660, -15.2710, 17.9530

Conversions

Conversions Part 2

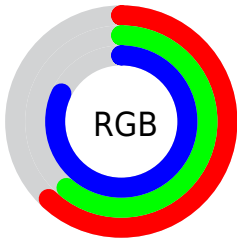
Format	Color
R_{YB}	159, 155, 210
Decimal	10460114
CIE _{Lab}	66.00, 13.29, -27.55
CIE _{LCh}	66, 30.588, 295.755
Yxy	35.3238, 0.2709, 0.2552
Android (android.graphics.Color)	4288650194 (0xFF9F9BD2)
YUV	162.4660, 23.4343, -3.0397
Hunter-Lab	59.4338, 8.6342, -23.8491

Details

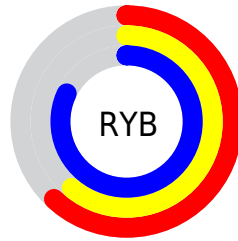
The CIELCh color $66, 30.588, 295.755$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $83, 28.753, 110.794$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 24.301, 296.102$, and $46, 30.364, 295.467$ is the 20% darker color. If you saturate the color by 10%, you get $59, 43.141, 297.114$, and if you desaturate by 10%, it is $73, 18.537, 294.584$.

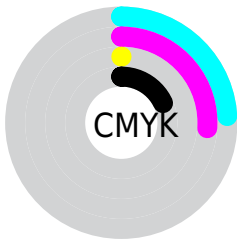
Distribution



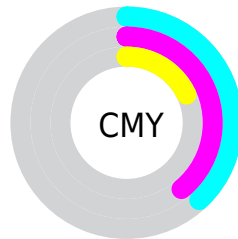
- Red (62%)
- Green (61%)
- Blue (82%)



- Red (62%)
- Yellow (61%)
- Blue (82%)



- Cyan (24%)
- Magenta (26%)
- Yellow (0%)
- Black (18%)



- Cyan (38%)
- Magenta (39%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 30.588, 295.755 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 66, 30.588, 295.755 by changing the saturation by 10% instead.

■ 66, 30.588,
295.755

■ 66, 30.588,
295.755

■ 100, 30.588,
295.755

■ 56, 30.588,
295.755

■ 86, 30.588,
295.755

■ 46, 30.588,
295.755

■ 96, 30.588,
295.755

■ 36, 30.588,
295.755

■ 26, 30.588,
295.755

■ 16, 30.588,
295.755

■ 6, 30.588, 295.755

■ 0, 30.588, 295.755

66, 30.588,
295.755

66, 30.588,
295.755

59, 43.141,
297.114

73, 18.537,
294.584

52, 56.186,
298.671

80, 6.972, 293.587

87, 4.140, 112.719

46, 69.615,
300.404

93, 14.833,
111.997

39, 83.098,
302.237

99, 22.884,
108.443

34, 95.866,
304.001

29, 106.501,
305.431

27, 113.259,
306.242

26, 115.097,

306.480

Harmonies

Complementary

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



66, 30.588, 295.755



83, 28.753, 110.794

Rectangle

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



66, 30.588, 295.755



66, 30.588, 345.755



66, 30.588, 115.755



66, 30.588, 165.755

Sweetspot

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



66, 30.587, 295.754



94, 10.548, 293.761



79, 17.295, 204.733



49, 7.517, 293.907



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 30.587, 295.754



75, 42.840, 296.427



68, 32.288, 312.537



40, 6.384, 293.887



20, 97.641, 306.530



2, 25.614, 295.058

Inverse Universe

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



70, 34.053, 327.945



81, 47.103, 328.239



81, 31.315, 130.183



41, 7.321, 326.967



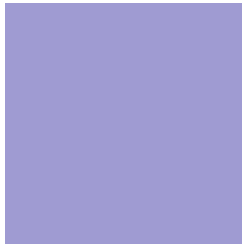
39, 80.002, 331.328



5, 29.436, 330.305

Previews

White Background



This preview shows how the CIELCh color 66, 30.588, 295.755 looks on a white background.

Color Contrast Check

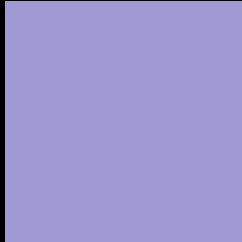
Large Text (above 18pt) WCAG AA × Fail

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 66, 30.588, 295.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

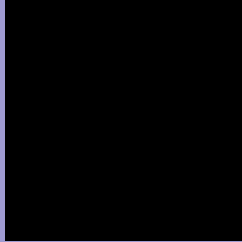
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 30.588, 295.755

Background



This preview shows how black text looks on a background with the CIELCh color 66, 30.588, 295.755.



This preview shows how white text looks on a background with the CIELCh color 66, 30.588, 295.755.

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

66, 30.588, 295.755

Protanopia

66, 30.094, 285.270

Deuteranopia

66, 28.314, 287.762



Tritanopia
66, 7.844, 266.323

Trichromacy



Original Color
66, 30.588, 295.755

Protanomaly
66, 29.972, 288.885

Deuteranomaly
66, 28.834, 290.506

Tritanomaly
66, 15.589, 285.324

Monochromacy



Original Color
66, 30.588, 295.755

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 11.127, 295.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 30.588, 295.755 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(159, 155, 210)` looks like.

```
.text, #text, p{  
    color:rgb(159, 155, 210)  
}
```

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(159, 155, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 155, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 30.588, 295.755 is called "border". The border property can be set on classes, ids or directly on the HTML element.

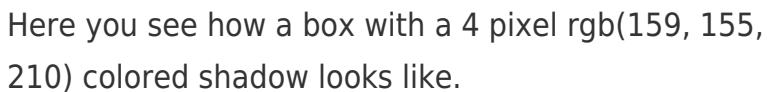
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 155, 210) }
```

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

```
.border{ border-color:rgb(159, 155, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 155, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 155, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 155, 210);  
box-shadow:4px 4px 4px 4px rgb(159, 155,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 30.588, 295.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 155, 210) }
```

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

```
.background{ background-color: rgb(159,  
155, 210) }
```

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