

Converting Colors

CIELCh(66, 29.813, 237.522)

Have a look what the booklet for
CIELCh(66, 29.813, 237.522)
contains.

CIELCh(66, 29.824, 237.454)	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, 29.824, 237.454)

Conversions

Conversions Part 1

Format	Color
Hex	55ABCD
RGB	85, 171, 205
RGB Percent	33%, 67%, 80%
CMY	0.6680, 0.3306, 0.1973
CMYK	0.59, 0.17, 0.00, 0.20
HSL	197°, 54%, 57%
HSV	197°, 59%, 80%
XYZ	29.2064, 35.3238, 62.8445
YIQ	149.1620, -62.1700, -7.6580

Conversions

Conversions Part 2

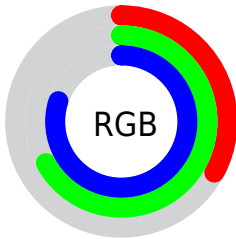
Format	Color
R_{YB}	85, 135, 205
Decimal	5614541
CIE _{Lab}	66.00, -16.04, -25.14
CIE _{LCh}	66, 29.824, 237.454
Yxy	35.3238, 0.2293, 0.2773
Android (android.graphics.Color)	4283804621 (0xFF55ABCD)
YUV	149.1620, 27.5281, -56.2701
Hunter-Lab	59.4338, -16.2925, -21.0887

Details

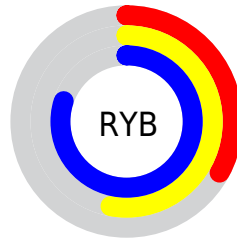
The CIELCh color **66, 29.824, 237.454** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **59, 44.963, 47.394**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 28.138, 231.101**, and **46, 29.860, 237.444** is the 20% darker color. If you saturate the color by 10%, you get **64, 33.186, 240.272**, and if you desaturate by 10%, it is **69, 25.874, 235.200**.

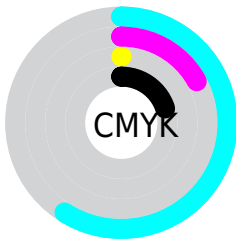
Distribution



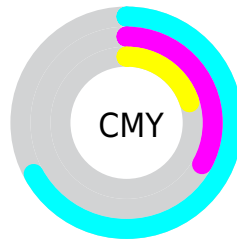
- Red (33%)
- Green (67%)
- Blue (80%)



- Red (33%)
- Yellow (53%)
- Blue (80%)



- Cyan (59%)
- Magenta (17%)
- Yellow (0%)
- Black (20%)



- Cyan (67%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 29.824, 237.454 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, 29.824, 237.454 by changing the saturation by 10% instead.


 66, 29.824,
237.454


 66, 29.824,
237.454


 100, 29.824,
237.454


 56, 29.824,
237.454


 86, 29.824,
237.454

 46, 29.824,
237.454

 96, 29.824,
237.454

 36, 29.824,
237.454

 26, 29.824,
237.454

 16, 29.824,
237.454

 6, 29.824, 237.454

 0, 29.824, 237.454

66, 29.824,
237.454

66, 29.824,
237.454

64, 33.186,
240.272

69, 25.874,
235.200

61, 35.977,
243.738

71, 21.370,
233.421

59, 38.281,
247.897

74, 16.373,
232.028

58, 40.286,
252.647

77, 10.957,
230.950

57, 40.567,
253.292

80, 5.198, 230.153

83, 0.833, 48.766

86, 7.074, 48.811

89, 13.471, 48.455

91, 15.402, 57.394

Harmonies

Complementary

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



66, 29.824, 237.454



59, 44.963, 47.394

Rectangle

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



66, 29.824, 237.454



66, 29.824, 287.454



66, 29.824, 57.454



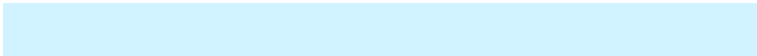
66, 29.824, 107.454

Sweetspot

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



66, 29.823, 237.453



94, 12.663, 230.913



74, 62.645, 147.160



49, 8.732, 231.197



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, 29.823, 237.453



77, 39.964, 240.996



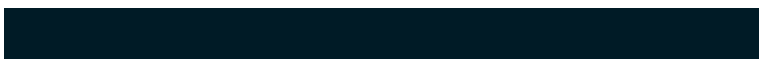
50, 53.879, 289.098



41, 3.400, 230.202



47, 34.467, 252.470



9, 11.961, 241.066

Inverse Universe

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



54, 61.702, 338.215



62, 83.508, 339.515



73, 49.964, 91.044



40, 6.183, 334.211



37, 67.699, 343.500



4, 23.040, 339.778

Previews

White Background



This preview shows how the CIELCh color 66, 29.824, 237.454 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, 29.824, 237.454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

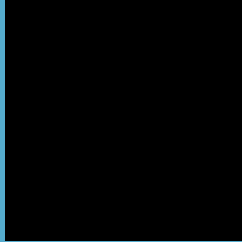
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 29.824, 237.454

Background



This preview shows how black text looks on a background with the CIELCh color 66, 29.824, 237.454.

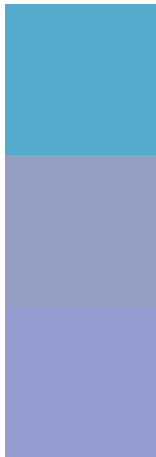


This preview shows how white text looks on a background with the CIELCh color 66, 29.824, 237.454.

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, 29.824, 237.454

Protanopia

66, 21.160, 285.895

Deuteranopia

66, 28.346, 287.783



Tritanopia
66, 28.844, 213.039

Trichromacy



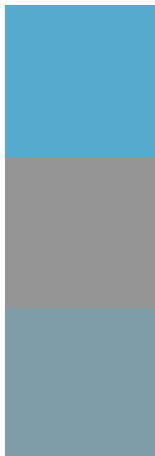
Original Color
66, 29.824, 237.454

Protanomaly
66, 22.645, 261.404

Deuteranomaly
66, 26.914, 267.944

Tritanomaly
66, 28.599, 221.731

Monochromacy



Original Color
66, 29.824, 237.454

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 12.579, 231.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 29.824, 237.454 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(85, 171, 205)` looks like.

```
.text, #text, p{  
    color:rgb(85, 171, 205)  
}
```

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(85, 171, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 171, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 29.824, 237.454 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(85, 171, 205) }
```

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

```
.border{ border-color:rgb(85, 171, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 171, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 171, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 171, 205);  
box-shadow:4px 4px 4px 4px rgb(85, 171,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 29.824, 237.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 171, 205) }
```

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

```
.background{ background-color: rgb(85, 171,  
205) }
```

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