

Converting Colors

CIELCh(66, 36.704, 254.151)

Have a look what the booklet for
CIELCh(66, 36.704, 254.151)
contains.

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Color

CIELCh(66, 36.616, 253.755)

Conversions

Conversions Part 1

Format	Color
Hex	50A9DF
RGB	80, 169, 223
RGB Percent	31%, 66%, 87%
CMY	0.6871, 0.3379, 0.1262
CMYK	0.64, 0.24, 0.00, 0.13
HSL	203°, 69%, 59%
HSV	203°, 64%, 87%
XYZ	30.7390, 35.3238, 74.8774
YIQ	148.5450, -70.3780, -2.0740

Conversions

Conversions Part 2

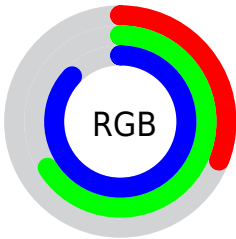
Format	Color
R _Y B	80, 135, 223
Decimal	5286367
CIE Lab	66.00, -10.24, -35.15
CIE LCh	66, 36.616, 253.755
Yxy	35.3238, 0.2181, 0.2506
Android (android.graphics.Color)	4283476447 (0xFF50A9DF)
YUV	148.5450, 36.7063, -60.1140
Hunter-Lab	59.4338, -11.6896, -33.0925

Details

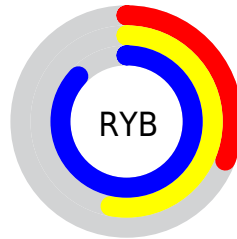
The CIELCh color **66, 36.616, 253.755** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **64, 52.120, 55.719**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 28.576, 233.171**, and **46, 35.907, 256.386** is the 20% darker color. If you saturate the color by 10%, you get **63, 40.980, 257.532**, and if you desaturate by 10%, it is **69, 31.874, 250.596**.

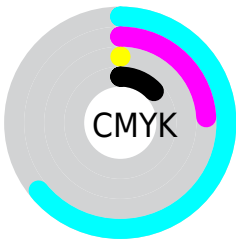
Distribution



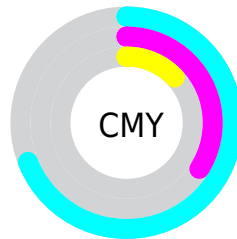
- Red (31%)
- Green (66%)
- Blue (87%)



- Red (31%)
- Yellow (53%)
- Blue (87%)



- Cyan (64%)
- Magenta (24%)
- Yellow (0%)
- Black (13%)





- Cyan (69%)
- Magenta (34%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 36.616, 253.755 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, 36.616, 253.755 by changing the saturation by 10% instead.


 66, 36.616,
253.755


 66, 36.616,
253.755


 100, 36.616,
253.755


 56, 36.616,
253.755


 86, 36.616,
253.755

 46, 36.616,
253.755

 96, 36.616,
253.755

 36, 36.616,
253.755

 26, 36.616,
253.755

 16, 36.616,
253.755

 6, 36.616, 253.755

 0, 36.616, 253.755

66, 36.616,
253.755

66, 36.616,
253.755

63, 40.980,
257.532

69, 31.874,
250.596

60, 45.059,
261.930

73, 26.729,
247.995

57, 49.001,
266.860

76, 21.196,
245.874

56, 51.335,
269.796

80, 15.318,
244.154

83, 9.149, 242.769

87, 2.745, 241.748

91, 3.839, 60.495

95, 9.714, 64.084

97, 11.699, 90.134

Harmonies

Complementary

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



66, 36.616, 253.755



64, 52.120, 55.719

Rectangle

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



66, 36.616, 253.755



66, 36.616, 303.755



66, 36.616, 73.755



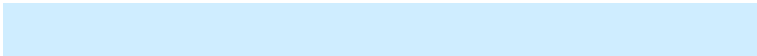
66, 36.616, 123.755

Sweetspot

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



66, 36.615, 253.755



92, 13.551, 243.416



80, 66.898, 150.053



48, 9.277, 243.828



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, 36.615, 253.755



70, 46.938, 258.955



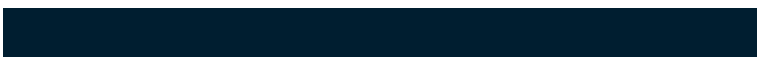
47, 72.748, 295.651



45, 3.710, 242.222



44, 42.533, 268.918



10, 15.605, 258.855

Inverse Universe

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



56, 66.802, 343.865



60, 83.188, 346.052



81, 62.553, 97.005



44, 6.254, 338.259



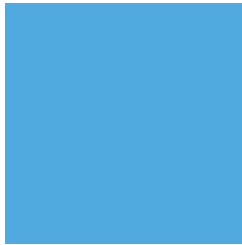
38, 66.906, 350.874



7, 28.041, 346.114

Previews

White Background



This preview shows how the CIE LCh color 66, 36.616, 253.755 looks on a white background.

Color Contrast Check

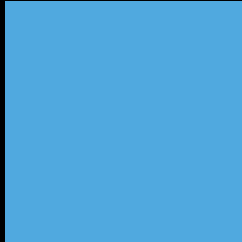
Large Text (above 18pt) WCAG AA × Fail

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, 36.616, 253.755 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

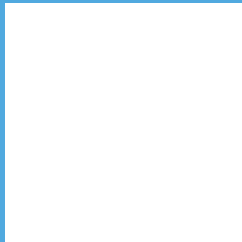
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 36.616, 253.755

Background



This preview shows how black text looks on a background with the CIELCh color 66, 36.616, 253.755.

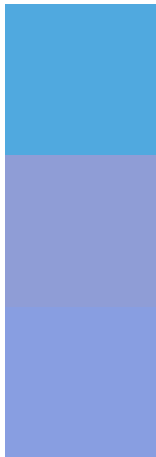


This preview shows how white text looks on a background with the CIELCh color 66, 36.616, 253.755.

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, 36.616, 253.755

Protanopia

66, 31.793, 285.384

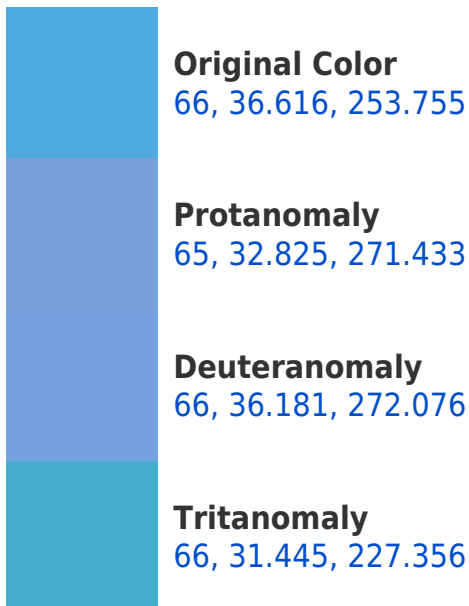
Deuteranopia

66, 37.459, 283.720

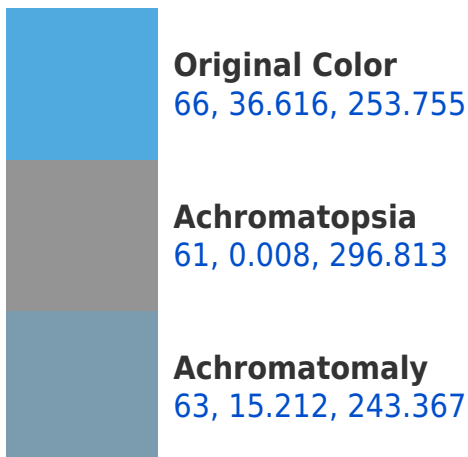


Tritanopia
66, 31.550, 211.459

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 36.616, 253.755 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(80, 169, 223)` looks like.

```
.text, #text, p{  
    color:rgb(80, 169, 223)  
}
```

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(80, 169, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 169, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 36.616, 253.755 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(80, 169, 223) }
```

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

```
.border{ border-color:rgb(80, 169, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 169, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 169, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 169, 223);  
box-shadow:4px 4px 4px 4px rgb(80, 169,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 36.616, 253.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 169, 223) }
```

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

```
.background{ background-color: rgb(80, 169,  
223) }
```

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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