

Converting Colors

CIELCh(66, 37.910, 266.856)

Have a look what the booklet for
CIELCh(66, 37.910, 266.856)
contains.

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Color

CIELCh(66, 37.910, 266.856)

Conversions

Conversions Part 1

Format	Color
Hex	67A5E4
RGB	103, 165, 228
RGB Percent	40%, 65%, 89%
CMY	0.5967, 0.3535, 0.1065
CMYK	0.55, 0.28, 0.00, 0.11
HSL	210°, 70%, 65%
HSV	210°, 55%, 89%
XYZ	32.9852, 35.3238, 78.3644
YIQ	153.6440, -57.1750, 6.4490

Conversions

Conversions Part 2

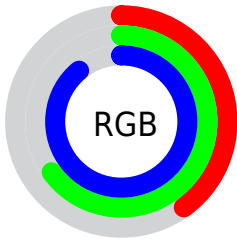
Format	Color
R _Y B	103, 144, 228
Decimal	6792676
CIE Lab	66.00, -2.08, -37.85
CIE LCh	66, 37.910, 266.856
Yxy	35.3238, 0.2249, 0.2408
Android (android.graphics.Color)	4284982756 (0xFF67A5E4)
YUV	153.6440, 36.6575, -44.4148
Hunter-Lab	59.4338, -4.9435, -36.5710

Details

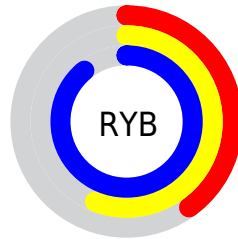
The CIELCh color **66, 37.910, 266.856** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **73, 44.321, 68.876**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 25.243, 245.757**, and **46, 37.986, 267.221** is the 20% darker color. If you saturate the color by 10%, you get **62, 44.456, 270.190**, and if you desaturate by 10%, it is **70, 31.257, 264.011**.

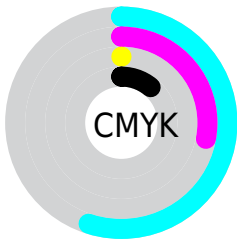
Distribution



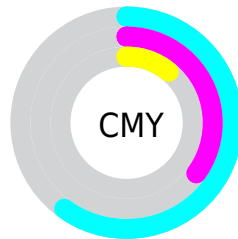
- Red (40%)
- Green (65%)
- Blue (89%)



- Red (40%)
- Yellow (56%)
- Blue (89%)



- Cyan (55%)
- Magenta (28%)
- Yellow (0%)
- Black (11%)



- Cyan (60%)
- Magenta (35%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 37.910, 266.856 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, 37.910, 266.856 by changing the saturation by 10% instead.

■ 66, 37.910,
266.856

■ 66, 37.910,
266.856

■ 100, 37.910,
266.856

■ 56, 37.910,
266.856

■ 86, 37.910,
266.856

■ 46, 37.910,
266.856

■ 96, 37.910,
266.856

■ 36, 37.910,
266.856

■ 26, 37.910,
266.856

■ 16, 37.910,
266.856

■ 6, 37.910, 266.856

■ 0, 37.910, 266.856

66, 37.910,
266.856

66, 37.910,
266.856

62, 44.456,
270.190

70, 31.257,
264.011

58, 50.958,
274.019

75, 24.477,
261.612

54, 57.508,
278.280

79, 17.573,
259.600

51, 64.214,
282.818

84, 10.563,
257.919

49, 67.762,
285.106

88, 3.475, 256.568

93, 3.664, 75.131

97, 9.526, 87.549

99, 13.742,
109.139

Harmonies

Complementary

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



66, 37.910, 266.856



73, 44.321, 68.876

Rectangle

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



66, 37.910, 266.856



66, 37.910, 316.856



66, 37.910, 86.856



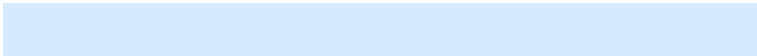
66, 37.910, 136.856

Sweetspot

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



66, 37.909, 266.856



92, 12.451, 258.110



82, 53.043, 157.636



48, 8.397, 258.441



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, 37.909, 266.856



68, 49.503, 270.751



50, 72.647, 298.550



46, 4.071, 257.139



38, 55.556, 284.331



9, 19.914, 275.689

Inverse Universe

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



61, 55.948, 350.077



62, 71.152, 352.262



88, 61.969, 105.016



45, 5.838, 344.612



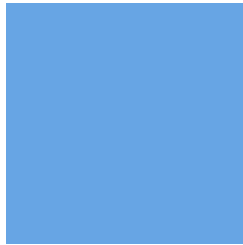
38, 64.820, 2.253



7, 27.574, 355.229

Previews

White Background



This preview shows how the CIELCh color 66, 37.910, 266.856 looks on a white background.

Color Contrast Check

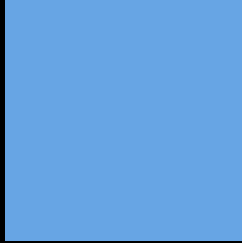
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 66, 37.910, 266.856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

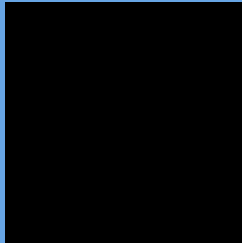
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

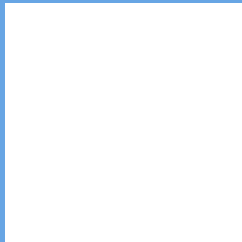
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 37.910, 266.856

Background



This preview shows how black text looks on a background with the CIELCh color 66, 37.910, 266.856.

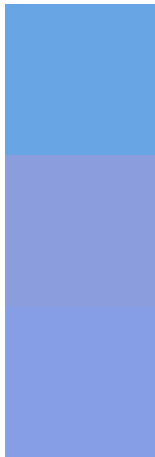


This preview shows how white text looks on a background with the CIELCh color 66, 37.910, 266.856.

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, 37.910, 266.856

Protanopia

66, 36.235, 285.548

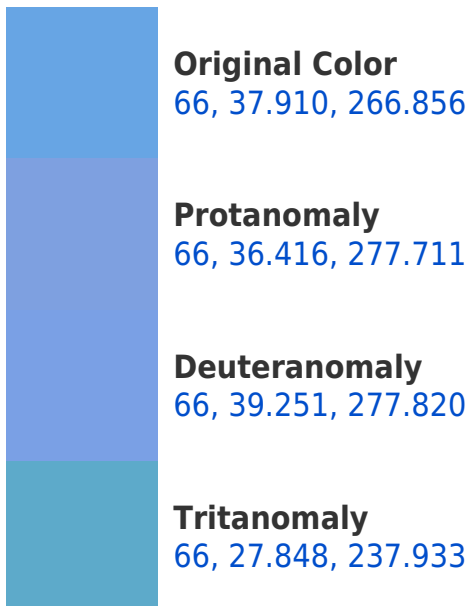
Deuteranopia

66, 39.725, 283.412

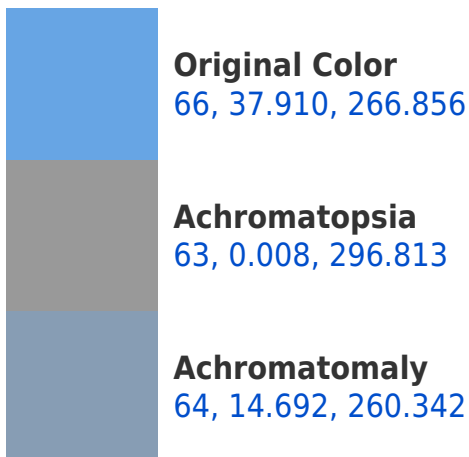


Tritanopia
66, 26.664, 214.529

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 37.910, 266.856 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(103, 165, 228)` looks like.

```
.text, #text, p{  
    color:rgb(103, 165, 228)  
}
```

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(103, 165, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 165, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 37.910, 266.856 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(103, 165, 228) }
```

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

```
.border{ border-color:rgb(103, 165, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 165, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 165, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 165, 228);  
box-shadow:4px 4px 4px 4px rgb(103, 165,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 37.910, 266.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 165, 228) }
```

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

```
.background{ background-color: rgb(103,  
165, 228) }
```

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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