

Converting Colors

CIELCh(65, 38.237, 267.603)

Have a look what the booklet for
CIELCh(65, 38.237, 267.603)
contains.

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Color

CIELCh(65, 38.368, 267.873)

Conversions

Conversions Part 1

Format	Color
Hex	65A2E2
RGB	101, 162, 226
RGB Percent	40%, 64%, 89%
CMY	0.6044, 0.3651, 0.1142
CMYK	0.55, 0.28, 0.00, 0.11
HSL	211°, 68%, 64%
HSV	211°, 55%, 89%
XYZ	31.9665, 34.0472, 76.7549
YIQ	151.0570, -56.9000, 6.9720

Conversions

Conversions Part 2

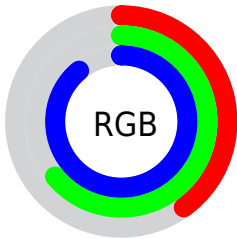
Format	Color
RYB	101, 142, 226
Decimal	6660834
CIELab	65.00, -1.42, -38.34
CIELCh	65, 38.368, 267.873
Yxy	34.0472, 0.2239, 0.2385
Android (android.graphics.Color)	4284850914 (0xFF65A2E2)
YUV	151.0570, 36.9469, -43.9000
Hunter-Lab	58.3500, -4.3229, -37.1465

Details

The CIELCh color **65, 38.368, 267.873** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **72, 44.516, 69.598**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 26.131, 249.083**, and **45, 38.059, 267.409** is the 20% darker color. If you saturate the color by 10%, you get **61, 44.990, 271.219**, and if you desaturate by 10%, it is **69, 31.660, 265.011**.

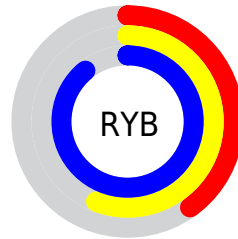
Distribution



Red (40%)

Green (64%)

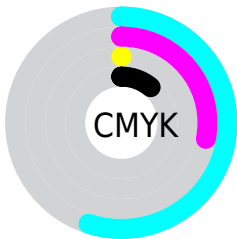
Blue (89%)



Red (40%)

Yellow (56%)

Blue (89%)

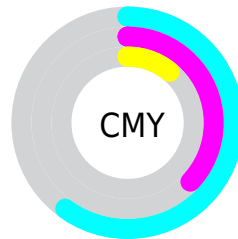


Cyan (55%)

Magenta (28%)

Yellow (0%)

Black (11%)



Cyan (60%)


Magenta (37%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 38.368, 267.873 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 65, 38.368, 267.873 by changing the saturation by 10% instead.


 65, 38.368,
267.873


 65, 38.368,
267.873


 100, 38.368,
267.873


 55, 38.368,
267.873


 85, 38.368,
267.873

 45, 38.368,
267.873

 95, 38.368,
267.873

 35, 38.368,
267.873

 25, 38.368,
267.873

 15, 38.368,
267.873

 5, 38.368, 267.873

 0, 38.368, 267.873

65, 38.368,
267.873

65, 38.368,
267.873

61, 44.990,
271.219

69, 31.660,
265.011

57, 51.590,
275.049

74, 24.843,
262.593

53, 58.260,
279.296

78, 17.917,
260.561

49, 65.099,
283.798

83, 10.898,
258.861

48, 68.381,
285.843

87, 3.810, 257.481

92, 3.321, 76.032

96, 9.709, 82.284

99, 14.437,
108.224

■ 99, 14.731,
109.064

Harmonies

Complementary

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



65, 38.368, 267.873



72, 44.516, 69.598

Rectangle

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



65, 38.368, 267.873



65, 38.368, 317.873



65, 38.368, 87.873



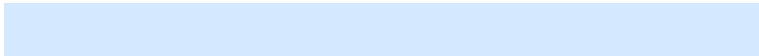
65, 38.368, 137.873

Sweetspot

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



65, 38.367, 267.873



91, 13.317, 259.140



82, 53.074, 157.569



48, 8.899, 259.470



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 38.367, 267.873



68, 50.108, 271.620



49, 72.823, 298.646



45, 4.023, 258.001



37, 55.792, 285.050



8, 19.357, 275.896

Inverse Universe

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



60, 55.766, 350.667



62, 70.911, 352.816



88, 62.007, 104.979



44, 5.700, 345.052



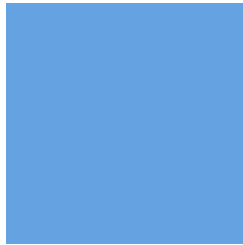
38, 64.066, 2.965



6, 26.315, 355.616

Previews

White Background



This preview shows how the CIE LCh color 65, 38.368, 267.873 looks on a white background.

Color Contrast Check

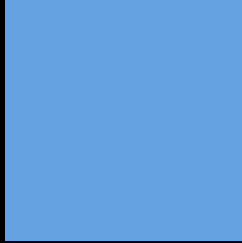
Large Text (above 18pt) WCAG AA × Fail

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 65, 38.368, 267.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

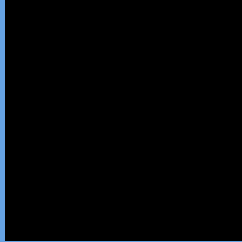
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 38.368, 267.873

Background



This preview shows how black text looks on a background with the CIELCh color 65, 38.368, 267.873.

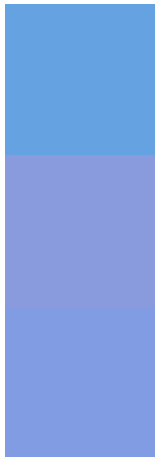


This preview shows how white text looks on a background with the CIELCh color 65, 38.368, 267.873.

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

65, 38.368, 267.873

Protanopia

65, 36.349, 285.152

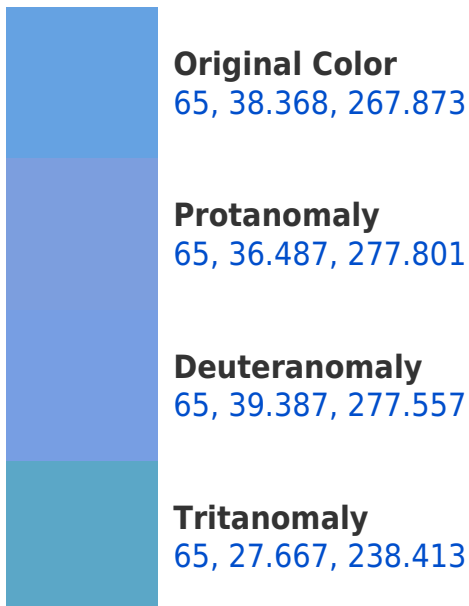
Deuteranopia

65, 39.894, 282.712

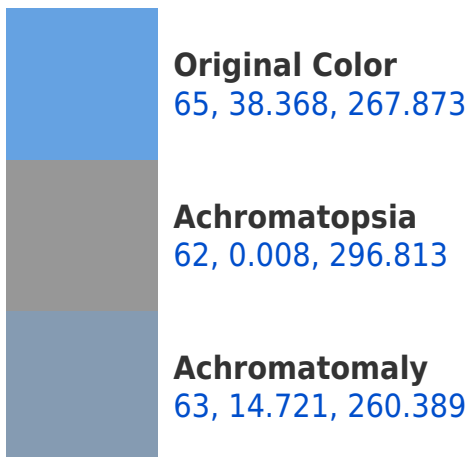


Tritanopia
65, 26.412, 214.753

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 38.368, 267.873 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(101, 162, 226)` looks like.

```
.text, #text, p{  
    color:rgb(101, 162, 226)  
}
```

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(101, 162, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 162, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 38.368, 267.873 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(101, 162, 226) }
```

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

```
.border{ border-color:rgb(101, 162, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 162, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 162, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 162, 226); box-shadow:4px 4px 4px 4px rgb(101, 162, 226) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 38.368, 267.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 162, 226) }
```

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

```
.background{ background-color: rgb(101,  
162, 226) }
```

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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