

Converting Colors

CIELCh(65, 43.772, 270.262)

Have a look what the booklet for
CIELCh(65, 43.772, 270.262)
contains.

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Color

CIELCh(65, 43.712, 270.216)

Conversions

Conversions Part 1

Format	Color
Hex	5DA2EC
RGB	93, 162, 236
RGB Percent	36%, 64%, 93%
CMY	0.6370, 0.3662, 0.0761
CMYK	0.61, 0.31, 0.00, 0.08
HSL	211°, 79%, 64%
HSV	211°, 61%, 92%
XYZ	32.4067, 34.0472, 83.9137
YIQ	149.8050, -64.8780, 8.3860

Conversions

Conversions Part 2

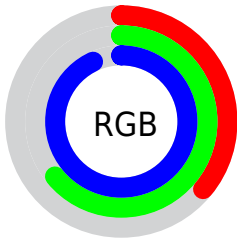
Format	Color
R _Y B	93, 140, 236
Decimal	6136556
CIE Lab	65.00, 0.16, -43.71
CIE LCh	65, 43.712, 270.216
Yxy	34.0472, 0.2155, 0.2264
Android (android.graphics.Color)	4284326636 (0xFF5DA2EC)
YUV	149.8050, 42.4941, -49.8180
Hunter-Lab	58.3500, -2.9763, -44.4206

Details

The CIELCh color **65, 43.712, 270.216** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **74, 51.072, 69.343**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 27.002, 246.863**, and **45, 43.725, 270.191** is the 20% darker color. If you saturate the color by 10%, you get **61, 50.632, 273.833**, and if you desaturate by 10%, it is **69, 36.745, 267.088**.

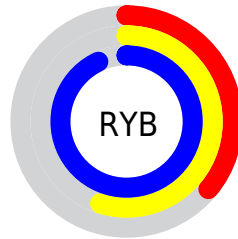
Distribution



Red (36%)

Green (64%)

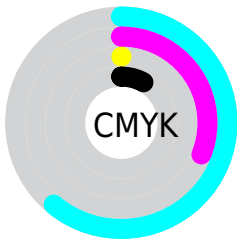
Blue (93%)



Red (36%)

Yellow (55%)

Blue (93%)

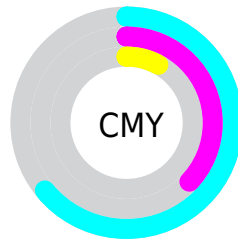


Cyan (61%)

Magenta (31%)

Yellow (0%)

Black (8%)



Cyan (64%)


Magenta (37%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 43.712, 270.216 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, 43.712, 270.216 by changing the saturation by 10% instead.


 65, 43.712,
270.216


 65, 43.712,
270.216


 100, 43.712,
270.216


 55, 43.712,
270.216


 85, 43.712,
270.216

 45, 43.712,
270.216

 95, 43.712,
270.216

 35, 43.712,
270.216

 25, 43.712,
270.216

 15, 43.712,
270.216

 5, 43.712, 270.216

 0, 43.712, 270.216

65, 43.712,
270.216

65, 43.712,
270.216

61, 50.632,
273.833

69, 36.745,
267.088

57, 57.592,
277.903

74, 29.688,
264.428

53, 64.693,
282.307

79, 22.525,
262.185

50, 71.501,
286.441

83, 15.264,
260.304

88, 7.925, 258.735

93, 0.534, 258.088

98, 6.432, 82.853

100, 9.822,
109.434

Harmonies

Complementary

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



65, 43.712, 270.216



74, 51.072, 69.343

Rectangle

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



65, 43.712, 270.216



65, 43.712, 320.216



65, 43.712, 90.216



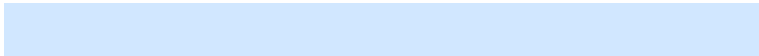
65, 43.712, 140.216

Sweetspot

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



65, 43.711, 270.217



91, 14.162, 259.862



84, 58.543, 157.570



47, 9.829, 260.354



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, 43.711, 270.217



64, 55.673, 274.853



47, 83.410, 300.177



47, 4.191, 258.562



38, 57.699, 285.639



9, 21.207, 277.629

Inverse Universe

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



60, 62.247, 352.020



60, 75.761, 354.863



91, 69.435, 105.366



46, 5.893, 345.346



39, 65.391, 3.564



8, 28.455, 356.527

Previews

White Background



This preview shows how the CIE LCh color 65, 43.712, 270.216 looks on a white background.

Color Contrast Check

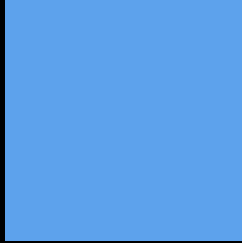
Large Text (above 18pt) WCAG AA × Fail

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, 43.712, 270.216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

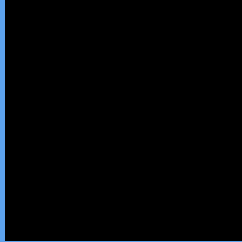
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

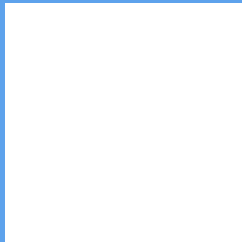
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 43.712, 270.216

Background



This preview shows how black text looks on a background with the CIELCh color 65, 43.712, 270.216.



This preview shows how white text looks on a background with the CIELCh color 65, 43.712, 270.216.

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, 43.712, 270.216

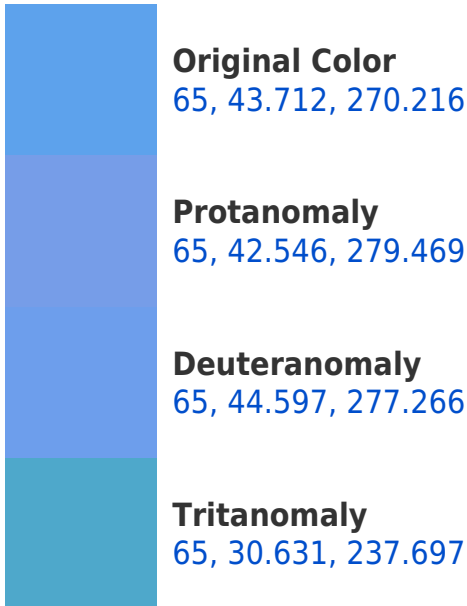
Protanopia
65, 42.478, 285.760

Deuteranopia
65, 45.643, 281.758

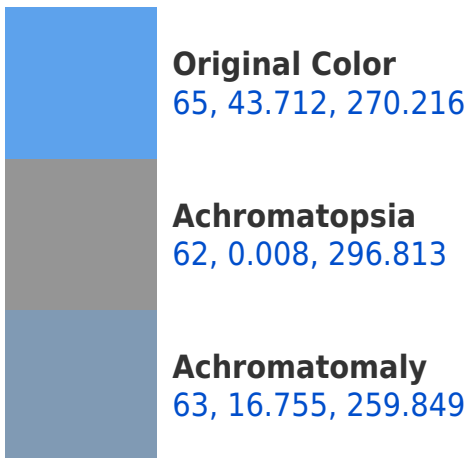


Tritanopia
65, 29.644, 212.576

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 43.712, 270.216 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(93, 162, 236)` looks like.

```
.text, #text, p{  
    color:rgb(93, 162, 236)  
}
```

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(93, 162, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 162, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 43.712, 270.216 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(93, 162, 236) }
```

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

```
.border{ border-color:rgb(93, 162, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 162, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 162, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 162, 236);  
box-shadow:4px 4px 4px 4px rgb(93, 162,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 43.712, 270.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 162, 236) }
```

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

```
.background{ background-color: rgb(93, 162,  
236) }
```

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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