

Converting Colors

CIELCh(63, 41.988, 260.904)

Have a look what the booklet for
CIELCh(63, 41.988, 260.904)
contains.

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Color

CIELCh(63, 41.993, 260.840)

Conversions

Conversions Part 1

Format	Color
Hex	40A0E2
RGB	64, 160, 226
RGB Percent	25%, 63%, 89%
CMY	0.7507, 0.3737, 0.1150
CMYK	0.72, 0.29, 0.00, 0.11
HSL	204°, 73%, 57%
HSV	204°, 72%, 89%
XYZ	28.2887, 31.5869, 76.3258
YIQ	138.8200, -78.4020, 0.1740

Conversions

Conversions Part 2

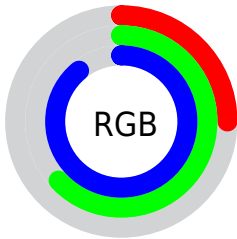
Format	Color
R _{YB}	64, 124, 226
Decimal	4235490
CIE Lab	63.00, -6.68, -41.46
CIE LCh	63, 41.993, 260.840
Yxy	31.5869, 0.2077, 0.2319
Android (android.graphics.Color)	4282425570 (0xFF40A0E2)
YUV	138.8200, 42.9797, -65.6171
Hunter-Lab	56.2022, -8.5081, -41.1776

Details

The CIELCh color **63, 41.993, 260.840** 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, 59.634, 57.726**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 31.439, 240.947**, and **44, 39.927, 265.910** is the 20% darker color. If you saturate the color by 10%, you get **60, 46.671, 265.135**, and if you desaturate by 10%, it is **66, 37.082, 257.138**.

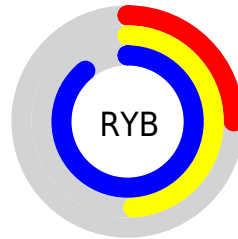
Distribution



Red (25%)

Green (63%)

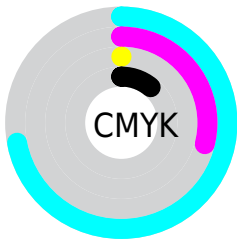
Blue (89%)



Red (25%)

Yellow (49%)

Blue (89%)

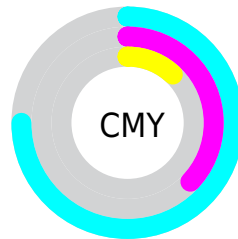


Cyan (72%)

Magenta (29%)

Yellow (0%)

Black (11%)



Cyan (75%)

Magenta (37%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 41.993, 260.840 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 63, 41.993, 260.840 by changing the saturation by 10% instead.

■ 63, 41.993,
260.840

■ 63, 41.993,
260.840

■ 100, 41.993,
260.840

■ 53, 41.993,
260.840

■ 83, 41.993,
260.840

■ 43, 41.993,
260.840

■ 93, 41.993,
260.840

■ 33, 41.993,
260.840

■ 23, 41.993,
260.840

■ 13, 41.993,
260.840

■ 3, 41.993, 260.840

■ 0, 41.993, 260.840

63, 41.993,
260.840

63, 41.993,
260.840

60, 46.671,
265.135

66, 37.082,
257.138

57, 51.255,
269.936

70, 31.859,
254.022

55, 55.078,
274.010

74, 26.298,
251.440

77, 20.413,
249.319

81, 14.241,
247.583

85, 7.830, 246.176

89, 1.229, 245.322

93, 5.514, 63.862

Harmonies

Complementary

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



63, 41.993, 260.840



64, 59.634, 57.726

Rectangle

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



63, 41.993, 260.840



63, 41.993, 310.840



63, 41.993, 80.840



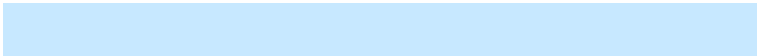
63, 41.993, 130.840

Sweetspot

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



63, 41.992, 260.841



90, 15.840, 247.634



80, 71.954, 150.120



47, 10.596, 248.076



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 41.992, 260.841



66, 53.577, 267.364



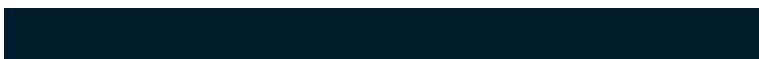
42, 86.668, 299.024



45, 3.754, 245.889



43, 45.111, 273.111



10, 16.297, 263.130

Inverse Universe

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



54, 71.608, 346.898



57, 85.419, 350.075



83, 70.829, 98.262



44, 6.125, 339.643



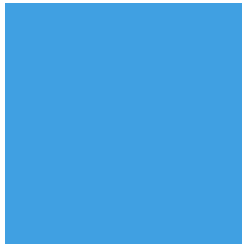
38, 65.999, 353.378



7, 27.590, 348.063

Previews

White Background



This preview shows how the CIE LCh color 63, 41.993, 260.840 looks on a white background.

Color Contrast Check

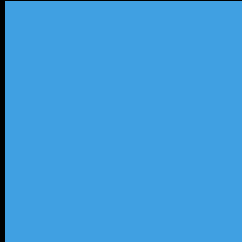
Large Text (above 18pt) WCAG AA × Fail

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 63, 41.993, 260.840 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

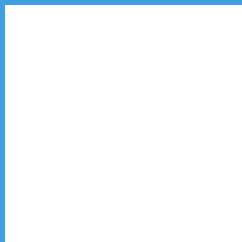
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 41.993, 260.840

Background



This preview shows how black text looks on a background with the CIELCh color 63, 41.993, 260.840.

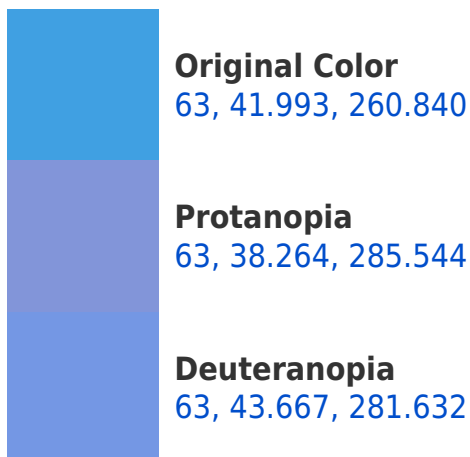


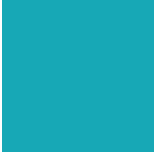
This preview shows how white text looks on a background with the CIELCh color 63, 41.993, 260.840.

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](#).

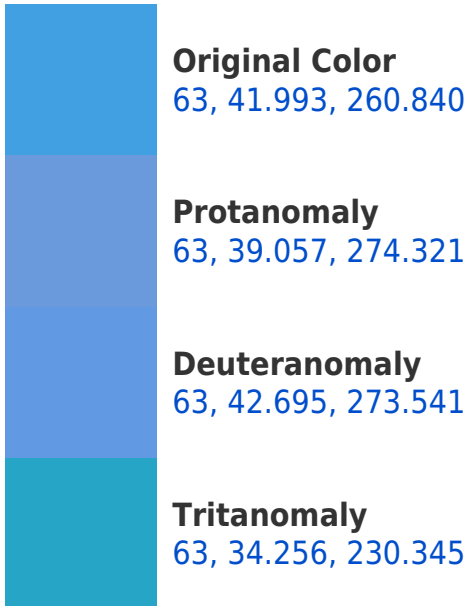
Dichromacy



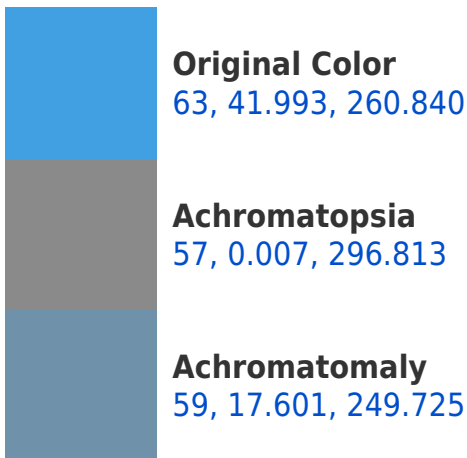


Tritanopia
63, 34.401, 210.081

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 41.993, 260.840 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(64, 160, 226)` looks like.

```
.text, #text, p{  
    color:rgb(64, 160, 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(64, 160, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 160, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 41.993, 260.840 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(64, 160, 226) }
```

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

```
.border{ border-color:rgb(64, 160, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 160, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 160, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 160, 226);  
box-shadow:4px 4px 4px 4px rgb(64, 160,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 41.993, 260.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 160, 226) }
```

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

```
.background{ background-color: rgb(64, 160,  
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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