

Converting Colors

CIELCh(63, 30.302, 258.583)

Have a look what the booklet for
CIELCh(63, 30.302, 258.583)
contains.

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Color

CIELCh(63, 30.453, 259.038)

Conversions

Conversions Part 1

Format	Color
Hex	649ECD
RGB	100, 158, 205
RGB Percent	39%, 62%, 80%
CMY	0.6077, 0.3802, 0.1959
CMYK	0.51, 0.23, 0.00, 0.20
HSL	207°, 51%, 60%
HSV	207°, 51%, 80%
XYZ	28.5166, 31.5869, 62.3752
YIQ	146.0160, -49.6550, 2.3210

Conversions

Conversions Part 2

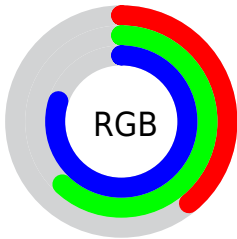
Format	Color
RYB	100, 137, 205
Decimal	6594253
CIELab	63.00, -5.79, -29.90
CIELCh	63, 30.453, 259.038
Yxy	31.5869, 0.2328, 0.2579
Android (android.graphics.Color)	4284784333 (0xFF649ECD)
YUV	146.0160, 29.0791, -40.3560
Hunter-Lab	56.2022, -7.7843, -26.4606

Details

The CIELCh color **63, 30.453, 259.038** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **66, 37.262, 63.768**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 27.493, 253.050**, and **43, 30.573, 259.197** is the 20% darker color. If you saturate the color by 10%, you get **59, 35.779, 262.148**, and if you desaturate by 10%, it is **67, 24.901, 256.430**.

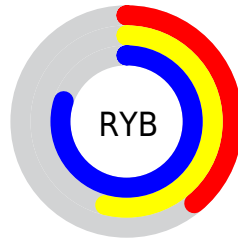
Distribution



Red (39%)

Green (62%)

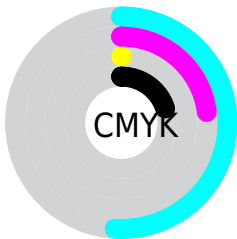
Blue (80%)



Red (39%)

Yellow (54%)

Blue (80%)

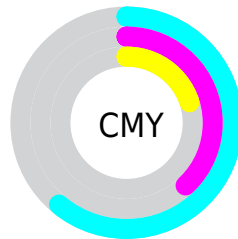


Cyan (51%)

Magenta (23%)

Yellow (0%)

Black (20%)



Cyan (61%)


Magenta (38%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 30.453, 259.038 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, 30.453, 259.038 by changing the saturation by 10% instead.


 63, 30.453,
259.038


 63, 30.453,
259.038


 100, 30.453,
259.038


 53, 30.453,
259.038


 83, 30.453,
259.038

 43, 30.453,
259.038

 93, 30.453,
259.038

 33, 30.453,
259.038

 23, 30.453,
259.038

 13, 30.453,
259.038

 3, 30.453, 259.038

 0, 30.453, 259.038

■ 63, 30.453,
259.038

■ 63, 30.453,
259.038

■ 59, 35.779,
262.148

■ 67, 24.901,
256.430

■ 56, 40.911,
265.802

■ 70, 19.128,
254.262

■ 53, 45.922,
269.990

■ 74, 13.159,
252.466

■ 50, 50.925,
274.620

■ 78, 7.027, 250.992

■ 47, 55.449,
278.798

■ 82, 0.769, 250.219

■ 86, 5.580, 68.548

■ 90, 11.990, 67.695

■ 93, 16.259, 75.970

■ 95, 18.970, 92.181

Harmonies

Complementary

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



63, 30.453, 259.038



66, 37.262, 63.768

Rectangle

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



63, 30.453, 259.038



63, 30.453, 309.038



63, 30.453, 79.038



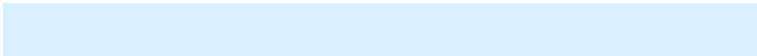
63, 30.453, 129.038

Sweetspot

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



63, 30.452, 259.038



93, 11.182, 251.542



75, 48.522, 154.971



49, 7.612, 251.857



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, 30.452, 259.038



73, 42.519, 262.340



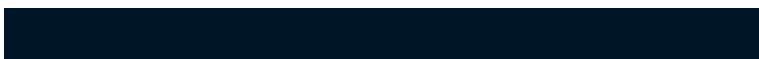
49, 57.304, 295.229



41, 3.548, 250.758



38, 46.690, 278.005



6, 14.179, 265.963

Inverse Universe

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



57, 49.783, 346.044



65, 68.842, 347.633



79, 50.547, 102.132



40, 5.504, 341.635



36, 62.234, 356.795



4, 20.496, 350.215

Previews

White Background



This preview shows how the CIE LCh color 63, 30.453, 259.038 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 63, 30.453, 259.038 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

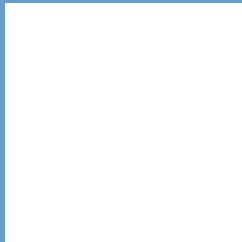
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 30.453, 259.038

Background



This preview shows how black text looks on a background with the CIELCh color 63, 30.453, 259.038.

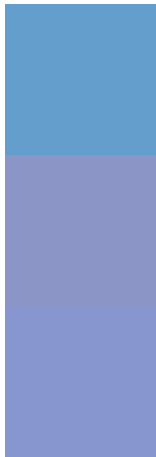


This preview shows how white text looks on a background with the CIELCh color 63, 30.453, 259.038.

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
63, 30.453, 259.038

Protanopia
63, 27.554, 285.583

Deuteranopia
63, 32.080, 285.040



Tritanopia
63, 23.657, 215.684

Trichromacy



Original Color
63, 30.453, 259.038

Protanomaly
63, 27.912, 274.538

Deuteranomaly
63, 30.736, 275.173

Tritanomaly
63, 24.480, 234.814

Monochromacy



Original Color
63, 30.453, 259.038

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 11.928, 252.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 30.453, 259.038 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(100, 158, 205)` looks like.

```
.text, #text, p{  
    color:rgb(100, 158, 205)  
}
```

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(100, 158, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 158, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 30.453, 259.038 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(100, 158, 205) }
```

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

```
.border{ border-color:rgb(100, 158, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 158, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 158, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 158, 205);  
box-shadow:4px 4px 4px 4px rgb(100, 158,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 30.453, 259.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 158, 205) }
```

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

```
.background{ background-color: rgb(100,  
158, 205) }
```

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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