

Converting Colors

CIELCh(64, 31.276, 261.760)

Have a look what the booklet for
CIELCh(64, 31.276, 261.760)
contains.

CIELCh(64, 31.388, 262.179)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 31.388, 262.179)

Conversions

Conversions Part 1

Format	Color
Hex	69A0D2
RGB	105, 160, 210
RGB Percent	41%, 63%, 82%
CMY	0.5882, 0.3725, 0.1764
CMYK	0.50, 0.24, 0.00, 0.18
HSL	209°, 54%, 62%
HSV	209°, 50%, 82%
XYZ	30.0328, 32.8017, 65.7262
YIQ	149.2550, -48.8300, 3.8900

Conversions

Conversions Part 2

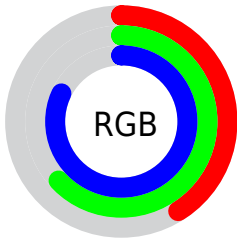
Format	Color
RYB	105, 141, 210
Decimal	6922450
CIELab	64.00, -4.27, -31.10
CIELCh	64, 31.388, 262.179
Yxy	32.8017, 0.2336, 0.2551
Android (android.graphics.Color)	4285112530 (0xFF69A0D2)
YUV	149.2550, 29.9473, -38.8116
Hunter-Lab	57.2727, -6.6252, -27.9503

Details

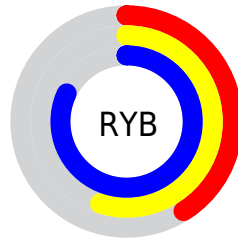
The CIELCh color **64, 31.388, 262.179** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **68, 37.151, 66.779**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 26.226, 252.776**, and **44, 31.157, 261.582** is the 20% darker color. If you saturate the color by 10%, you get **60, 37.198, 265.249**, and if you desaturate by 10%, it is **68, 25.406, 259.590**.

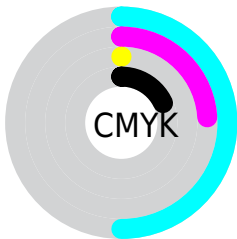
Distribution



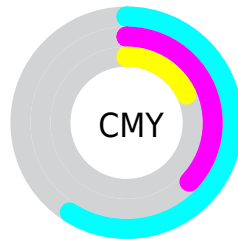
- Red (41%)
- Green (63%)
- Blue (82%)



- Red (41%)
- Yellow (55%)
- Blue (82%)



- Cyan (50%)
- Magenta (24%)
- Yellow (0%)
- Black (18%)



- Cyan (59%)
- Magenta (37%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 31.388, 262.179 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 64, 31.388, 262.179 by changing the saturation by 10% instead.

■ 64, 31.388,
262.179

■ 64, 31.388,
262.179

■ 100, 31.388,
262.179

■ 54, 31.388,
262.179

■ 84, 31.388,
262.179

■ 44, 31.388,
262.179

■ 94, 31.388,
262.179

■ 34, 31.388,
262.179

■ 24, 31.388,
262.179

■ 14, 31.388,
262.179

■ 4, 31.388, 262.179

■ 0, 31.388, 262.179

64, 31.388,
262.179

64, 31.388,
262.179

60, 37.198,
265.249

68, 25.406,
259.590

57, 42.871,
268.837

72, 19.254,
257.425

53, 48.478,
272.930

76, 12.951,
255.621

50, 54.126,
277.433

80, 6.524, 254.133

47, 59.949,
282.060

84, 0.008, 311.887

88, 6.577, 71.651

47, 59.952,
282.063

93, 13.194, 70.760

95, 16.327, 88.887

98, 20.367,
103.380

Harmonies

Complementary

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



64, 31.388, 262.179



68, 37.151, 66.779

Rectangle

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



64, 31.388, 262.179



64, 31.388, 312.179



64, 31.388, 82.179



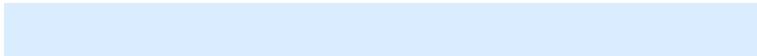
64, 31.388, 132.179

Sweetspot

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



64, 31.387, 262.179



93, 11.416, 254.864



77, 47.056, 156.712



48, 7.776, 255.190



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 31.387, 262.179



72, 43.510, 265.475



50, 59.122, 296.272



42, 3.692, 254.055



38, 50.091, 281.281



6, 15.691, 269.719

Inverse Universe

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



58, 48.883, 347.570



65, 66.960, 349.257



81, 51.879, 103.898



41, 5.509, 343.114



36, 62.422, 359.452



5, 22.064, 352.394

Previews

White Background



This preview shows how the CIELCh color 64, 31.388, 262.179 looks on a white background.

Color Contrast Check

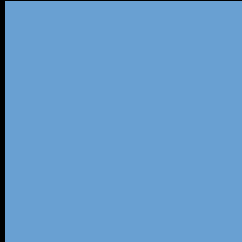
Large Text (above 18pt) WCAG AA × Fail

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 64, 31.388, 262.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

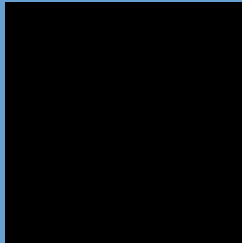
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 31.388, 262.179

Background



This preview shows how black text looks on a background with the CIELCh color 64, 31.388, 262.179.

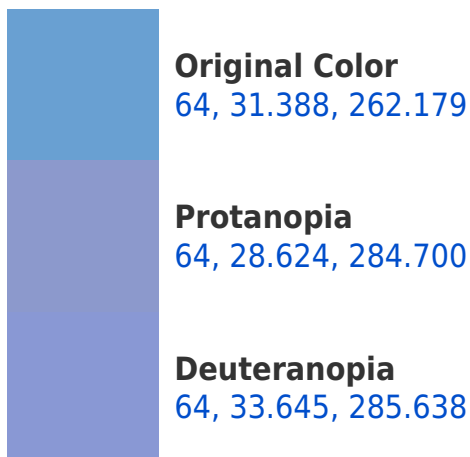


This preview shows how white text looks on a background with the CIELCh color 64, 31.388, 262.179.

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](#).

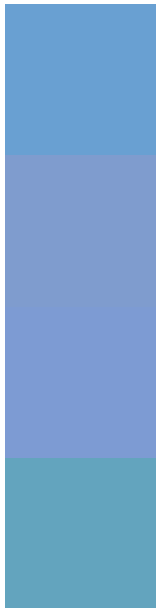
Dichromacy





Tritanopia
64, 23.211, 216.029

Trichromacy



Original Color
64, 31.388, 262.179

Protanomaly
64, 28.939, 274.781

Deuteranomaly
64, 32.161, 276.818

Tritanomaly
64, 24.092, 235.388

Monochromacy



Original Color
64, 31.388, 262.179

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 12.132, 255.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 31.388, 262.179 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(105, 160, 210)` looks like.

```
.text, #text, p{  
    color:rgb(105, 160, 210)  
}
```

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(105, 160, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 160, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 31.388, 262.179 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(105, 160, 210) }
```

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

```
.border{ border-color:rgb(105, 160, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 160, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 160, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 160, 210);  
box-shadow:4px 4px 4px 4px rgb(105, 160,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 31.388, 262.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 160, 210) }
```

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

```
.background{ background-color: rgb(105,  
160, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor