

Converting Colors

CIELCh(64, 29.478, 237.732)

Have a look what the booklet for
CIELCh(64, 29.478, 237.732)
contains.

CIELCh(64, 29.604, 238.127)	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, 29.604, 238.127)

Conversions

Conversions Part 1

Format	Color
Hex	50A5C7
RGB	80, 165, 199
RGB Percent	31%, 65%, 78%
CMY	0.6856, 0.3524, 0.2190
CMYK	0.60, 0.17, 0.00, 0.22
HSL	197°, 52%, 55%
HSV	197°, 60%, 78%
XYZ	27.1263, 32.8017, 59.0205
YIQ	143.4610, -61.5740, -7.4460

Conversions

Conversions Part 2

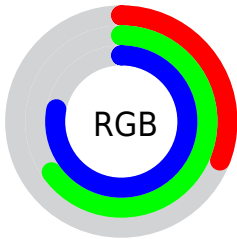
Format	Color
RYB	80, 130, 199
Decimal	5285319
CIELab	64.00, -15.63, -25.14
CIELCh	64, 29.604, 238.127
Yxy	32.8017, 0.2281, 0.2758
Android (android.graphics.Color)	4283475399 (0xFF50A5C7)
YUV	143.4610, 27.3807, -55.6553
Hunter-Lab	57.2727, -15.6838, -21.0084

Details

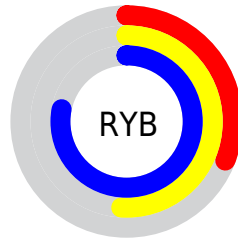
The CIELCh color **64, 29.604, 238.127** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **57, 44.913, 47.625**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 29.363, 237.459**, and **44, 29.138, 239.148** is the 20% darker color. If you saturate the color by 10%, you get **62, 32.854, 241.024**, and if you desaturate by 10%, it is **66, 25.784, 235.804**.

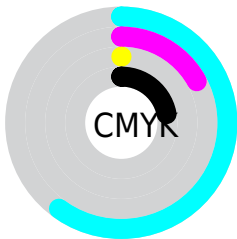
Distribution



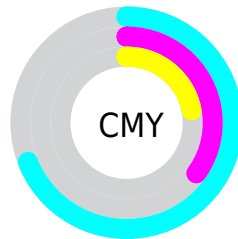
- Red (31%)
- Green (65%)
- Blue (78%)



- Red (31%)
- Yellow (51%)
- Blue (78%)



- Cyan (60%)
- Magenta (17%)
- Yellow (0%)
- Black (22%)



- Cyan (69%)
- Magenta (35%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 29.604, 238.127 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, 29.604, 238.127 by changing the saturation by 10% instead.

 64, 29.604,
238.127

 64, 29.604,
238.127


 100, 29.604,
238.127


 54, 29.604,
238.127


 84, 29.604,
238.127

 44, 29.604,
238.127

 94, 29.604,
238.127

 34, 29.604,
238.127

 24, 29.604,
238.127

 14, 29.604,
238.127

 4, 29.604, 238.127

 0, 29.604, 238.127

■ 64, 29.604,
238.127

■ 64, 29.604,
238.127

■ 62, 32.854,
241.024

■ 66, 25.784,
235.804

■ 60, 35.559,
244.575

■ 69, 21.424,
233.964

■ 58, 37.807,
248.816

■ 72, 16.579,
232.521

■ 56, 39.812,
253.582

■ 75, 11.321,
231.399

■ 56, 39.865,
253.700

■ 77, 5.722, 230.558

■ 80, 0.148, 46.328

■ 83, 6.227, 49.165

■ 86, 12.462, 48.794

■ 89, 17.311, 51.104

Harmonies

Complementary

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



64, 29.604, 238.127



57, 44.913, 47.625

Rectangle

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



64, 29.604, 238.127



64, 29.604, 288.127



64, 29.604, 58.127



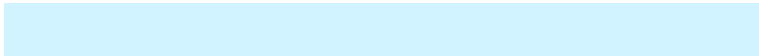
64, 29.604, 108.127

Sweetspot

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



64, 29.603, 238.126



94, 12.660, 231.257



72, 61.489, 147.608



49, 8.731, 231.546



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, 29.603, 238.126



77, 40.724, 242.122



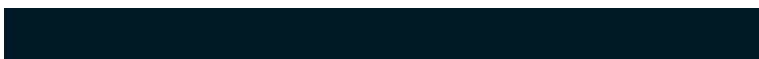
47, 54.998, 290.295



40, 3.328, 230.533



46, 34.185, 252.907



8, 11.282, 242.231

Inverse Universe

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



53, 61.169, 338.440



62, 84.790, 339.890



71, 50.344, 92.096



39, 6.044, 334.314



36, 66.831, 343.660



4, 20.817, 339.714

Previews

White Background



This preview shows how the CIELCh color 64, 29.604, 238.127 looks on a white background.

Color Contrast Check

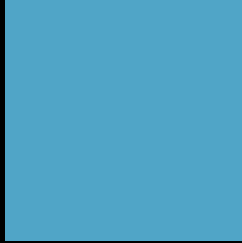
Large Text (above 18pt) WCAG AA × Fail

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, 29.604, 238.127 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, 29.604, 238.127

Background



This preview shows how black text looks on a background with the CIELCh color 64, 29.604, 238.127.

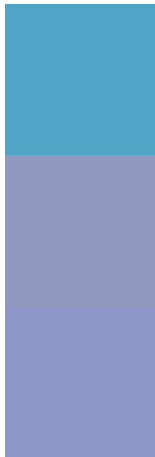


This preview shows how white text looks on a background with the CIELCh color 64, 29.604, 238.127.

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

64, 29.604, 238.127

Protanopia

64, 20.764, 284.808

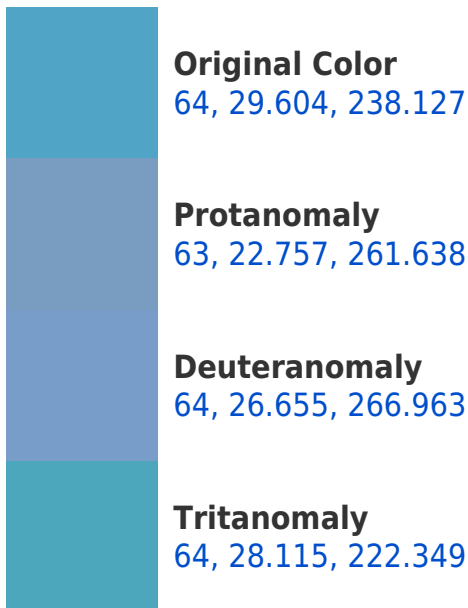
Deuteranopia

64, 27.981, 287.060

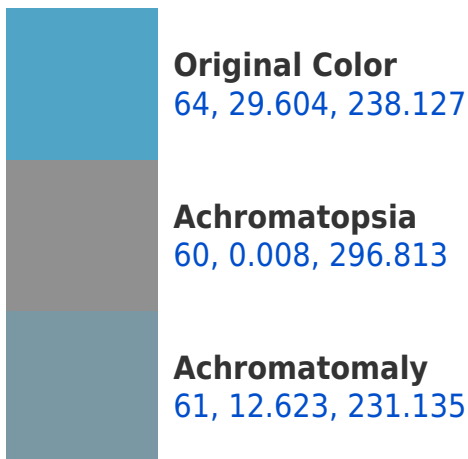


Tritanopia
64, 28.322, 213.439

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 29.604, 238.127 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(80, 165, 199)` looks like.

```
.text, #text, p{  
    color:rgb(80, 165, 199)  
}
```

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(80, 165, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 165, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 29.604, 238.127 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(80, 165, 199) }
```

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

```
.border{ border-color:rgb(80, 165, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 165, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 165, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 165, 199);  
box-shadow:4px 4px 4px 4px rgb(80, 165,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 29.604, 238.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 165, 199) }
```

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

```
.background{ background-color: rgb(80, 165,  
199) }
```

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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