

Converting Colors

CIELCh(64, 28.675, 237.284)

Have a look what the booklet for
CIELCh(64, 28.675, 237.284)
contains.

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Color

CIELCh(64, 28.630, 236.834)

Conversions

Conversions Part 1

Format	Color
Hex	53A5C5
RGB	83, 165, 197
RGB Percent	33%, 65%, 77%
CMY	0.6743, 0.3527, 0.2273
CMYK	0.58, 0.16, 0.00, 0.23
HSL	197°, 50%, 55%
HSV	197°, 58%, 77%
XYZ	27.1187, 32.8017, 57.7545
YIQ	144.1300, -59.1440, -7.4320

Conversions

Conversions Part 2

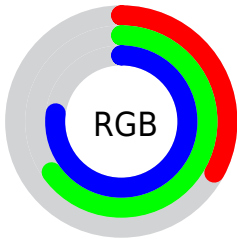
Format	Color
R _Y B	83, 131, 197
Decimal	5481925
CIE Lab	64.00, -15.66, -23.97
CIE LCh	64, 28.630, 236.834
Yxy	32.8017, 0.2305, 0.2787
Android (android.graphics.Color)	4283672005 (0xFF53A5C5)
YUV	144.1300, 26.0649, -53.6110
Hunter-Lab	57.2727, -15.7072, -19.6978

Details

The CIELCh color **64, 28.630, 236.834** 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, 42.909, 47.175**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 28.729, 237.132**, and **44, 28.603, 236.848** is the 20% darker color. If you saturate the color by 10%, you get **62, 31.926, 239.566**, and if you desaturate by 10%, it is **66, 24.761, 234.652**.

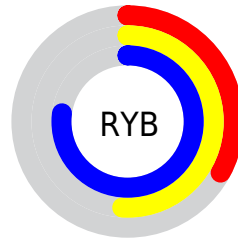
Distribution



Red (33%)

Green (65%)

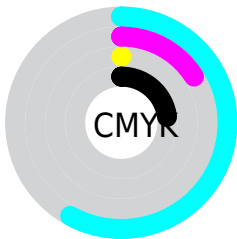
Blue (77%)



Red (33%)

Yellow (51%)

Blue (77%)

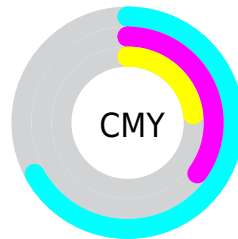


Cyan (58%)

Magenta (16%)

Yellow (0%)

Black (23%)



Cyan (67%)

Magenta (35%)

Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 28.630, 236.834 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, 28.630, 236.834 by changing the saturation by 10% instead.

 64, 28.630,
236.834

 64, 28.630,
236.834

 100, 28.630,
236.834


 54, 28.630,
236.834


 84, 28.630,
236.834

 44, 28.630,
236.834

 94, 28.630,
236.834

 34, 28.630,
236.834

 24, 28.630,
236.834

 14, 28.630,
236.834

 4, 28.630, 236.834

 0, 28.630, 236.834

64, 28.630,
236.834

64, 28.630,
236.834

62, 31.926,
239.566

66, 24.761,
234.652

60, 34.661,
242.936

69, 20.357,
232.932

58, 36.905,
246.994

72, 15.479,
231.588

56, 38.827,
251.668

74, 10.199,
230.550

55, 39.248,
252.676

77, 4.591, 229.792

80, 1.276, 48.650

83, 7.344, 48.491

86, 13.560, 48.149

89, 18.022, 50.901

Harmonies

Complementary

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



64, 28.630, 236.834



57, 42.909, 47.175

Rectangle

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



64, 28.630, 236.834



64, 28.630, 286.834



64, 28.630, 56.834



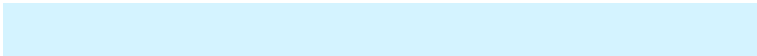
64, 28.630, 106.834

Sweetspot

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



64, 28.629, 236.833



94, 11.993, 230.497



72, 60.036, 147.294



49, 7.980, 230.683



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, 28.629, 236.833



78, 39.554, 240.253



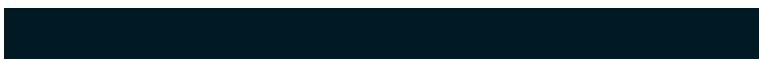
48, 51.460, 288.847



40, 3.331, 229.887



46, 33.942, 251.926



8, 11.253, 241.312

Inverse Universe

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



53, 59.292, 338.008



63, 82.886, 339.272



70, 47.837, 91.167



39, 6.066, 334.111



36, 67.054, 343.302



4, 20.908, 339.411

Previews

White Background



This preview shows how the CIELCh color 64, 28.630, 236.834 looks on a white background.

Color Contrast Check

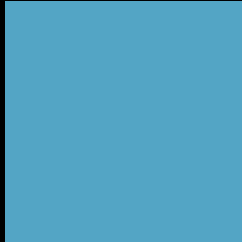
Large Text (above 18pt) WCAG AA × Fail

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 64, 28.630, 236.834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

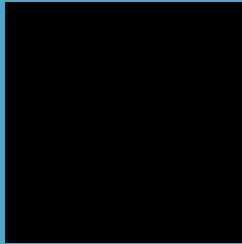
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 28.630, 236.834

Background



This preview shows how black text looks on a background with the CIELCh color 64, 28.630, 236.834.

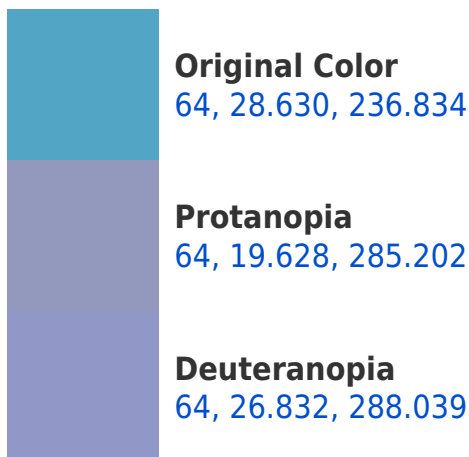


This preview shows how white text looks on a background with the CIELCh color 64, 28.630, 236.834.

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, 27.537, 212.729

Trichromacy



Original Color
64, 28.630, 236.834

Protanomaly
63, 21.563, 261.255

Deuteranomaly
64, 25.466, 266.808

Tritanomaly
64, 27.460, 221.708

Monochromacy



Original Color
64, 28.630, 236.834

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 12.098, 229.562

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 28.630, 236.834 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(83, 165, 197)` looks like.

```
.text, #text, p{  
    color:rgb(83, 165, 197)  
}
```

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(83, 165, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 165, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 28.630, 236.834 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(83, 165, 197) }
```

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

```
.border{ border-color:rgb(83, 165, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 165, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 165, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 165, 197);  
box-shadow:4px 4px 4px 4px rgb(83, 165,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 28.630, 236.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 165, 197) }
```

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

```
.background{ background-color: rgb(83, 165,  
197) }
```

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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