

Converting Colors

CIELCh(64, 38.977, 258.292)

Have a look what the booklet for
CIELCh(64, 38.977, 258.292)
contains.

CIELCh(64, 38.977, 258.292)	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, 38.977, 258.292)

Conversions

Conversions Part 1

Format	Color
Hex	4AA3DF
RGB	74, 163, 223
RGB Percent	29%, 64%, 87%
CMY	0.7117, 0.3623, 0.1271
CMYK	0.67, 0.27, 0.00, 0.13
HSL	204°, 70%, 58%
HSV	204°, 67%, 87%
XYZ	29.0805, 32.8017, 74.3236
YIQ	143.2290, -72.3040, -0.2080

Conversions

Conversions Part 2

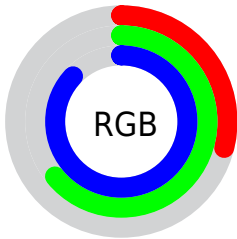
Format	Color
R_{YB}	74, 130, 223
Decimal	4891615
CIE _{Lab}	64.00, -7.91, -38.17
CIE _{LCh}	64, 38.977, 258.292
Yxy	32.8017, 0.2135, 0.2408
Android (android.graphics.Color)	4283081695 (0xFF4AA3DF)
YUV	143.2290, 39.3271, -60.7138
Hunter-Lab	57.2727, -9.5931, -36.8505

Details

The CIELCh color **64, 38.977, 258.292** 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, 54.451, 57.768**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 29.903, 239.376**, and **45, 37.749, 261.672** is the 20% darker color. If you saturate the color by 10%, you get **61, 43.627, 262.292**, and if you desaturate by 10%, it is **67, 34.037, 254.895**.

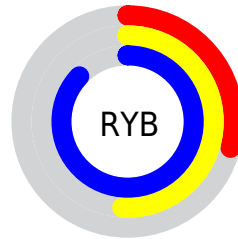
Distribution



Red (29%)

Green (64%)

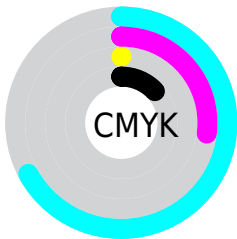
Blue (87%)



Red (29%)

Yellow (51%)

Blue (87%)

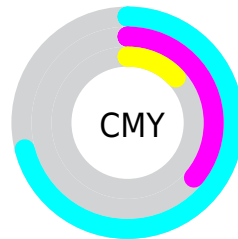


Cyan (67%)

Magenta (27%)

Yellow (0%)

Black (13%)



Cyan (71%)

Magenta (36%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 38.977, 258.292 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, 38.977, 258.292 by changing the saturation by 10% instead.

 64, 38.977,
258.292

 64, 38.977,
258.292

 100, 38.977,
258.292

 54, 38.977,
258.292


 84, 38.977,
258.292

 44, 38.977,
258.292

 94, 38.977,
258.292

 34, 38.977,
258.292

 24, 38.977,
258.292

 14, 38.977,
258.292

 4, 38.977, 258.292

 0, 38.977, 258.292

■ 64, 38.977,
258.292

■ 64, 38.977,
258.292

■ 61, 43.627,
262.292

■ 67, 34.037,
254.895

■ 58, 48.099,
266.860

■ 71, 28.759,
252.064

■ 55, 52.553,
271.846

■ 75, 23.139,
249.733

■ 54, 53.947,
273.326

■ 78, 17.206,
247.824

■ 82, 11.005,
246.269

■ 86, 4.586, 245.038

■ 90, 2.003, 63.628

■ 94, 8.716, 62.925

Harmonies

Complementary

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



64, 38.977, 258.292



64, 54.451, 57.768

Rectangle

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



64, 38.977, 258.292



64, 38.977, 308.292



64, 38.977, 78.292



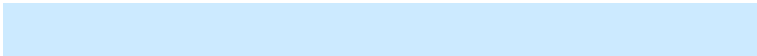
64, 38.977, 128.292

Sweetspot

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



64, 38.976, 258.292



91, 14.408, 246.728



79, 67.301, 150.987



47, 9.785, 247.165



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, 38.976, 258.292



68, 50.160, 263.891



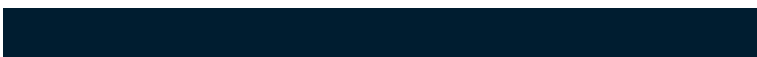
44, 79.353, 297.750



45, 3.746, 245.308



43, 44.684, 272.467



10, 16.181, 262.467

Inverse Universe

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



55, 67.847, 345.757



59, 83.518, 348.320



82, 66.397, 98.731



44, 6.145, 339.418



38, 66.134, 352.971



7, 27.659, 347.746

Previews

White Background



This preview shows how the CIE LCh color 64, 38.977, 258.292 looks on a white background.

Color Contrast Check

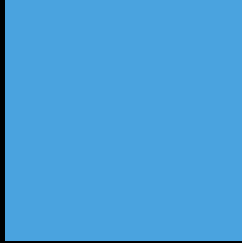
Large Text (above 18pt) WCAG AA × Fail

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, 38.977, 258.292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

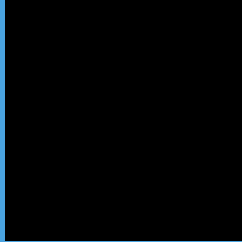
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

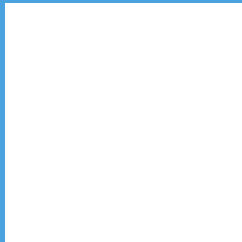
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 38.977, 258.292

Background



This preview shows how black text looks on a background with the CIELCh color 64, 38.977, 258.292.

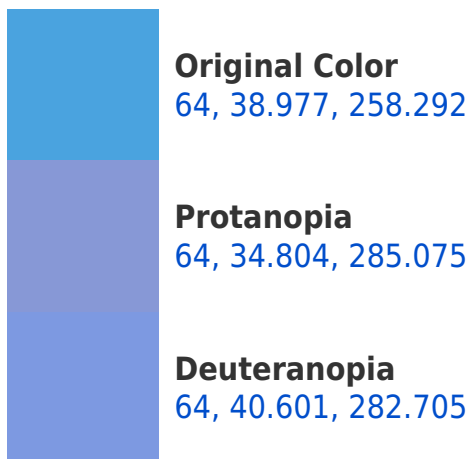


This preview shows how white text looks on a background with the CIELCh color 64, 38.977, 258.292.

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, 32.251, 211.126

Trichromacy



Original Color
64, 38.977, 258.292

Protanomaly
64, 35.639, 273.129

Deuteranomaly
64, 39.662, 273.534

Tritanomaly
64, 32.124, 230.413

Monochromacy



Original Color
64, 38.977, 258.292

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 16.179, 249.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 38.977, 258.292 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(74, 163, 223)` looks like.

```
.text, #text, p{  
    color:rgb(74, 163, 223)  
}
```

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(74, 163, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 163, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 38.977, 258.292 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(74, 163, 223) }
```

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

```
.border{ border-color:rgb(74, 163, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 163, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 163, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 163, 223);  
box-shadow:4px 4px 4px 4px rgb(74, 163,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 38.977, 258.292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 163, 223) }
```

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

```
.background{ background-color: rgb(74, 163,  
223) }
```

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