

Converting Colors

CIELCh(64, 40.019, 258.672)

Have a look what the booklet for
CIELCh(64, 40.019, 258.672)
contains.

CIELCh(64, 40.113, 258.708)	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, 40.113, 258.708)

Conversions

Conversions Part 1

Format	Color
Hex	46A3E1
RGB	70, 163, 225
RGB Percent	27%, 64%, 88%
CMY	0.7269, 0.3619, 0.1188
CMYK	0.69, 0.28, 0.00, 0.12
HSL	204°, 72%, 58%
HSV	204°, 69%, 88%
XYZ	29.0947, 32.8017, 75.8154
YIQ	142.2610, -75.3300, -0.4340

Conversions

Conversions Part 2

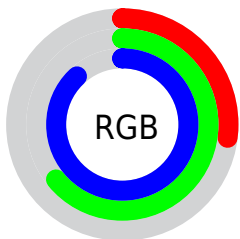
Format	Color
RYB	70, 128, 225
Decimal	4629473
CIELab	64.00, -7.85, -39.34
CIELCh	64, 40.113, 258.708
Yxy	32.8017, 0.2113, 0.2382
Android (android.graphics.Color)	4282819553 (0xFF46A3E1)
YUV	142.2610, 40.7903, -63.3729
Hunter-Lab	57.2727, -9.5488, -38.3949

Details

The CIELCh color **64, 40.113, 258.708** 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, 56.846, 57.344**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 30.438, 238.475**, and **45, 38.193, 262.367** is the 20% darker color. If you saturate the color by 10%, you get **61, 44.707, 262.831**, and if you desaturate by 10%, it is **67, 35.237, 255.191**.

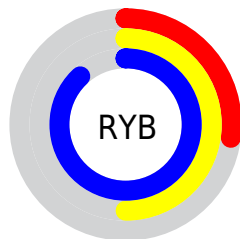
Distribution



Red (27%)

Green (64%)

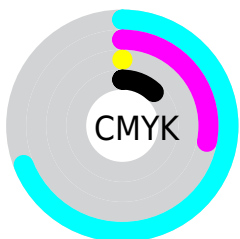
Blue (88%)



Red (27%)

Yellow (50%)

Blue (88%)

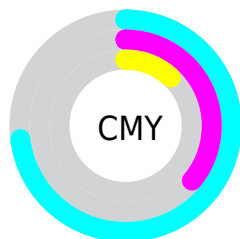


Cyan (69%)

Magenta (28%)

Yellow (0%)

Black (12%)



Cyan (73%)


Magenta (36%)


Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 40.113, 258.708 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, 40.113, 258.708 by changing the saturation by 10% instead.

 64, 40.113,
258.708

 64, 40.113,
258.708


 100, 40.113,
258.708


 54, 40.113,
258.708


 84, 40.113,
258.708


 44, 40.113,
258.708

 94, 40.113,
258.708

 34, 40.113,
258.708

 24, 40.113,
258.708

 14, 40.113,
258.708

 4, 40.113, 258.708

 0, 40.113, 258.708

■ 64, 40.113,
258.708

■ 64, 40.113,
258.708

■ 61, 44.707,
262.831

■ 67, 35.237,
255.191

■ 58, 49.144,
267.509

■ 71, 30.019,
252.254

■ 55, 53.609,
272.522

■ 74, 24.449,
249.832

■ 55, 54.066,
273.000

■ 78, 18.550,
247.849

■ 82, 12.366,
246.233

■ 86, 5.948, 244.939

■ 90, 0.653, 63.012

■ 94, 7.390, 62.775

Harmonies

Complementary

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



64, 40.113, 258.708



64, 56.846, 57.344

Rectangle

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



64, 40.113, 258.708



64, 40.113, 308.708



64, 40.113, 78.708



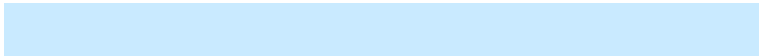
64, 40.113, 128.708

Sweetspot

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



64, 40.112, 258.709



91, 15.083, 246.551



80, 70.476, 149.920



47, 10.162, 246.986



0, 0.000, 0.000



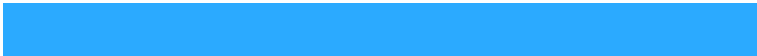
53, 0.007, 296.813

Same Dimension

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



64, 40.112, 258.709



67, 51.436, 264.908



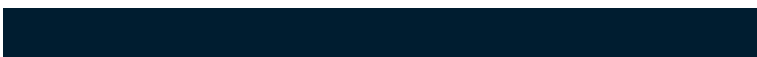
44, 81.029, 297.633



45, 3.742, 244.987



43, 44.451, 272.109



10, 16.118, 262.098

Inverse Universe

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



55, 69.855, 345.942



58, 84.805, 348.812



82, 67.643, 97.522



44, 6.156, 339.294



38, 66.210, 352.748



7, 27.698, 347.572

Previews

White Background



This preview shows how the CIELCh color 64, 40.113, 258.708 looks on a white background.

Color Contrast Check

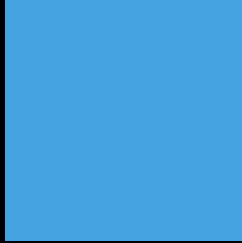
Large Text (above 18pt) WCAG AA × Fail

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, 40.113, 258.708 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

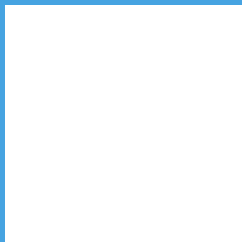
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 40.113, 258.708

Background



This preview shows how black text looks on a background with the CIELCh color 64, 40.113, 258.708.

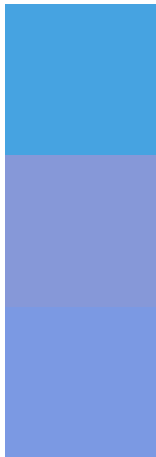


This preview shows how white text looks on a background with the CIELCh color 64, 40.113, 258.708.

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, 40.113, 258.708

Protanopia

64, 35.927, 285.037

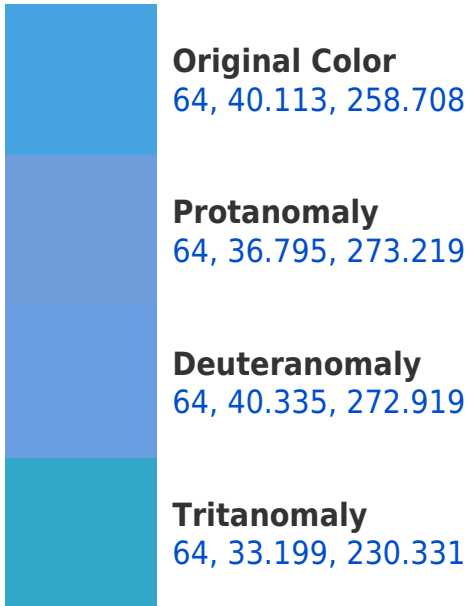
Deuteranopia

64, 41.757, 282.470

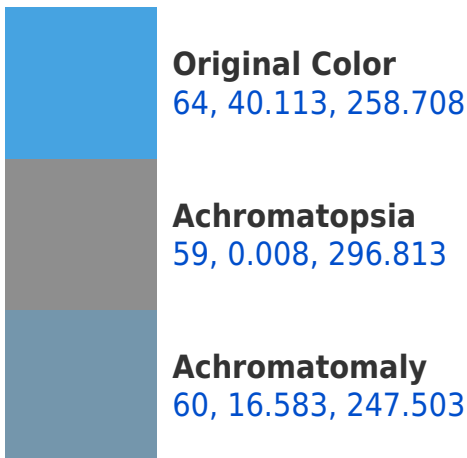


Tritanopia
64, 33.273, 210.609

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 40.113, 258.708 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(70, 163, 225)` looks like.

```
.text, #text, p{  
    color:rgb(70, 163, 225)  
}
```

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(70, 163, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 163, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 40.113, 258.708 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(70, 163, 225) }
```

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

```
.border{ border-color:rgb(70, 163, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 163, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 163, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 163, 225);  
box-shadow:4px 4px 4px 4px rgb(70, 163,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 40.113, 258.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 163, 225) }
```

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

```
.background{ background-color: rgb(70, 163,  
225) }
```

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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