

Converting Colors

CIELCh(64, 41.923, 263.358)

Have a look what the booklet for
CIELCh(64, 41.923, 263.358)
contains.

CIELCh(64, 42.157, 263.687)	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, 42.157, 263.687)

Conversions

Conversions Part 1

Format	Color
Hex	4BA1E5
RGB	75, 161, 229
RGB Percent	29%, 63%, 90%
CMY	0.7041, 0.3673, 0.1005
CMYK	0.67, 0.30, 0.00, 0.10
HSL	207°, 75%, 60%
HSV	207°, 67%, 90%
XYZ	29.9365, 32.8017, 79.1542
YIQ	143.0380, -73.0840, 2.9160

Conversions

Conversions Part 2

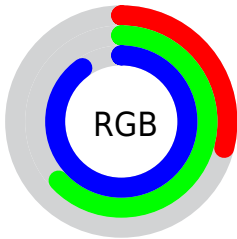
Format	Color
R _Y B	75, 130, 229
Decimal	4956645
CIE Lab	64.00, -4.64, -41.90
CIE LCh	64, 42.157, 263.687
Yxy	32.8017, 0.2110, 0.2312
Android (android.graphics.Color)	4283146725 (0xFF4BA1E5)
YUV	143.0380, 42.3793, -59.6693
Hunter-Lab	57.2727, -6.9253, -41.8512

Details

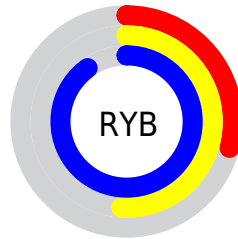
The CIELCh color **64, 42.157, 263.687** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **67, 55.621, 61.405**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 29.953, 242.191**, and **44, 40.897, 266.821** is the 20% darker color. If you saturate the color by 10%, you get **60, 47.582, 267.719**, and if you desaturate by 10%, it is **68, 36.546, 260.215**.

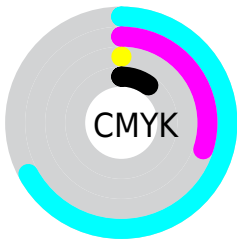
Distribution



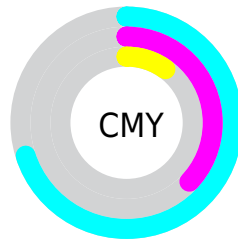
- Red (29%)
- Green (63%)
- Blue (90%)



- Red (29%)
- Yellow (51%)
- Blue (90%)



- Cyan (67%)
- Magenta (30%)
- Yellow (0%)
- Black (10%)



- Cyan (70%)
- Magenta (37%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 42.157, 263.687 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, 42.157, 263.687 by changing the saturation by 10% instead.

 64, 42.157,
263.687

 64, 42.157,
263.687

 100, 42.157,
263.687


 54, 42.157,
263.687


 84, 42.157,
263.687

 44, 42.157,
263.687

 94, 42.157,
263.687

 34, 42.157,
263.687

 24, 42.157,
263.687

 14, 42.157,
263.687

 4, 42.157, 263.687

 0, 42.157, 263.687

■ 64, 42.157,
263.687

■ 64, 42.157,
263.687

■ 60, 47.582,
267.719

■ 68, 36.546,
260.215

■ 57, 52.936,
272.254

■ 72, 30.690,
257.287

■ 54, 58.369,
277.118

■ 76, 24.571,
254.848

■ 53, 59.996,
278.487

■ 80, 18.207,
252.829

■ 84, 11.630,
251.165

■ 88, 4.881, 249.824

■ 92, 1.997, 68.336

■ 96, 8.064, 75.216

99, 11.794,
105.020

Harmonies

Complementary

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



64, 42.157, 263.687



67, 55.621, 61.405

Rectangle

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



64, 42.157, 263.687



64, 42.157, 313.687



64, 42.157, 83.687



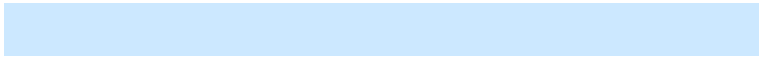
64, 42.157, 133.687

Sweetspot

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



64, 42.156, 263.688



91, 14.769, 251.632



82, 67.062, 152.421



47, 10.042, 252.097



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, 42.156, 263.688



65, 54.084, 269.646



44, 84.707, 299.063



46, 3.895, 250.107



42, 49.003, 277.626



10, 17.927, 268.440

Inverse Universe

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



56, 68.129, 348.282



58, 82.364, 351.391



86, 69.884, 100.616



45, 6.089, 341.360



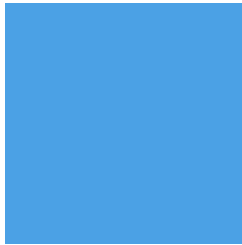
39, 65.810, 356.508



7, 28.272, 350.676

Previews

White Background



This preview shows how the CIE LCh color 64, 42.157, 263.687 looks on a white background.

Color Contrast Check

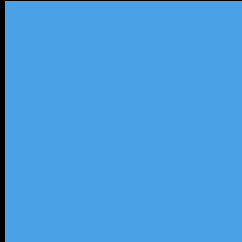
Large Text (above 18pt) WCAG AA × Fail

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, 42.157, 263.687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

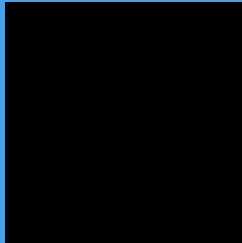
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

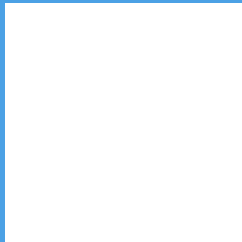
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 42.157, 263.687

Background



This preview shows how black text looks on a background with the CIELCh color 64, 42.157, 263.687.

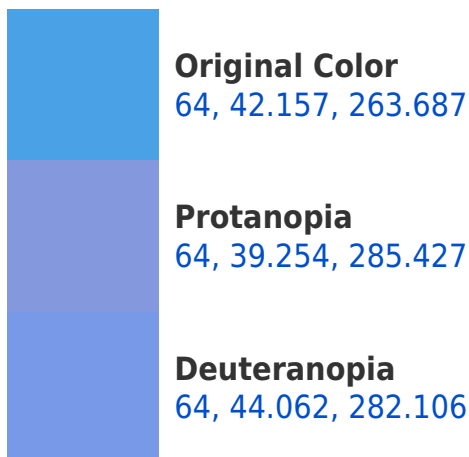


This preview shows how white text looks on a background with the CIELCh color 64, 42.157, 263.687.

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, 32.614, 210.939

Trichromacy



Original Color
64, 42.157, 263.687

Protanomaly
64, 40.321, 276.324

Deuteranomaly
64, 42.875, 274.898

Tritanomaly
64, 32.732, 232.110

Monochromacy



Original Color
64, 42.157, 263.687

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 16.979, 252.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 42.157, 263.687 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(75, 161, 229)` looks like.

```
.text, #text, p{  
    color:rgb(75, 161, 229)  
}
```

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(75, 161, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 161, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 42.157, 263.687 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(75, 161, 229) }
```

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

```
.border{ border-color:rgb(75, 161, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 161, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 161, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 161, 229);  
box-shadow:4px 4px 4px 4px rgb(75, 161,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 42.157, 263.687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 161, 229) }
```

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

```
.background{ background-color: rgb(75, 161,  
229) }
```

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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