

# Converting Colors

CIELCh(64, 24.998, 250.399)

Have a look what the booklet for  
CIELCh(64, 24.998, 250.399)  
contains.

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# **Color**

**CIELCh(64, 24.994, 250.361)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BA1C4
RGB	107, 161, 196
RGB Percent	42%, 63%, 77%
CMY	0.5786, 0.3669, 0.2296
CMYK	0.45, 0.18, 0.00, 0.23
HSL	204°, 43%, 60%
HSV	204°, 45%, 77%
XYZ	28.9536, 32.8017, 57.3000
YIQ	148.8440, -43.4190, -0.5630

# Conversions

## Conversions Part 2

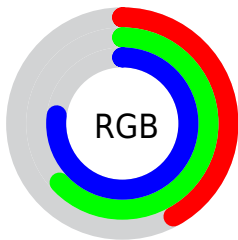
<b>Format</b>	<b>Color</b>
<b>RYB</b>	107, 141, 196
Decimal	7053764
CIELab	64.00, -8.40, -23.54
CIELCh	64, 24.994, 250.361
Yxy	32.8017, 0.2432, 0.2755
Android (android.graphics.Color)	4285243844 (0xFF6BA1C4)
YUV	148.8440, 23.2479, -36.6972
Hunter-Lab	57.2727, -9.9887, -19.2273

# Details

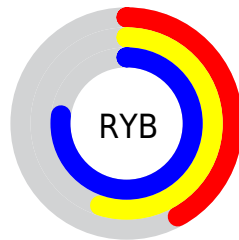
The CIELCh color `64, 24.994, 250.361` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `64, 31.203, 58.794`, and the grayscale version is `62, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 25.091, 250.140`, and `44, 24.748, 249.556` is the 20% darker color. If you saturate the color by 10%, you get `61, 29.747, 253.033`, and if you desaturate by 10%, it is `67, 19.919, 248.164`.

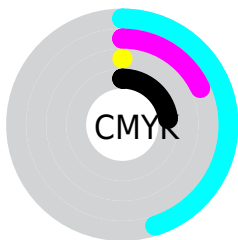
# Distribution



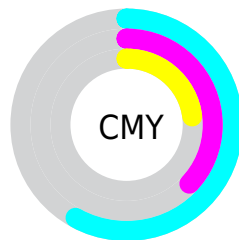
- Red (42%)
- Green (63%)
- Blue (77%)



- Red (42%)
- Yellow (55%)
- Blue (77%)



- Cyan (45%)
- Magenta (18%)
- Yellow (0%)
- Black (23%)



- Cyan (58%)
- Magenta (37%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 24.994, 250.361 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, 24.994, 250.361 by changing the saturation by 10% instead.



■ 64, 24.994,  
250.361

■ 64, 24.994,  
250.361

■ 100, 24.994,  
250.361

■ 54, 24.994,  
250.361

■ 84, 24.994,  
250.361

■ 44, 24.994,  
250.361

■ 94, 24.994,  
250.361

■ 34, 24.994,  
250.361

■ 24, 24.994,  
250.361

■ 14, 24.994,  
250.361

■ 4, 24.994, 250.361

■ 0, 24.994, 250.361

64, 24.994,  
250.361

64, 24.994,  
250.361

61, 29.747,  
253.033

67, 19.919,  
248.164

58, 34.174,  
256.256

71, 14.558,  
246.370

55, 38.307,  
260.076

74, 8.952, 244.912

52, 42.231,  
264.485

77, 3.149, 243.790

81, 2.807, 62.490

50, 46.079,  
269.376

85, 8.875, 61.766

49, 47.939,  
271.661

88, 15.021, 61.090

91, 18.505, 68.024

93, 20.030, 81.485

# Harmonies

# Complementary

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



64, 24.994, 250.361



64, 31.203, 58.794

# Rectangle

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



64, 24.994, 250.361



64, 24.994, 300.361



64, 24.994, 70.361



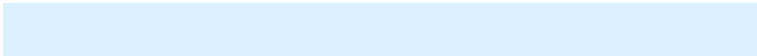
64, 24.994, 120.361

# Sweetspot

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



64, 24.993, 250.360



94, 10.137, 244.772



73, 43.622, 153.549



49, 6.975, 245.058



0, 0.000, 0.000



53, 0.007, 296.813

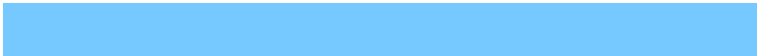


# Same Dimension

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



64, 24.993, 250.360



78, 35.940, 252.897



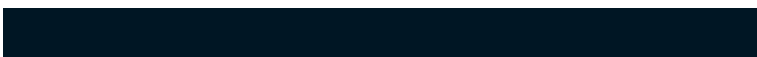
52, 45.607, 291.810



40, 3.380, 244.197



41, 41.337, 270.911



6, 12.393, 258.939





# Inverse Universe

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



57, 44.355, 342.308



68, 64.160, 343.437



75, 41.647, 100.083



39, 5.598, 338.988



35, 62.874, 352.022



4, 19.108, 346.380



# Previews

## White Background



This preview shows how the CIE LCh color 64, 24.994, 250.361 looks on a white background.

## Color Contrast Check

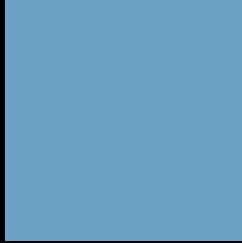
Large Text (above 18pt) WCAG AA × Fail

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, 24.994, 250.361 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

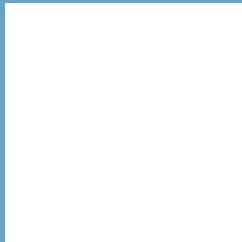
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 64, 24.994, 250.361

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 24.994, 250.361.

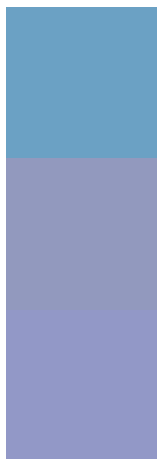


This preview shows how white text looks on a background with the CIELCh color 64, 24.994, 250.361.

# 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, 24.994, 250.361

### Protanopia

64, 20.731, 285.732

### Deuteranopia

64, 26.260, 288.576



**Tritanopia**  
64, 21.273, 217.924



# Trichromacy



**Original Color**  
64, 24.994, 250.361

**Protanomaly**  
64, 21.317, 270.394

**Deuteranomaly**  
64, 24.853, 275.204

**Tritanomaly**  
64, 21.863, 230.710

# Monochromacy



**Original Color**  
64, 24.994, 250.361

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
62, 9.693, 243.063

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 24.994, 250.361 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(107, 161, 196)` looks like.

```
.text, #text, p{  
    color:rgb(107, 161, 196)  
}
```

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(107, 161, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 161, 196) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 24.994, 250.361 is called "border". The border property can be set on classes, ids or directly on the HTML element.

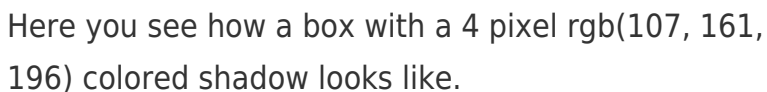
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 161, 196) }
```

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

```
.border{ border-color:rgb(107, 161, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 161, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 161, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 161, 196); box-shadow:4px 4px 4px 4px rgb(107, 161, 196) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 24.994, 250.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 161, 196) }
```

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

```
.background{ background-color: rgb(107,  
161, 196) }
```

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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