

# Converting Colors

CIELCh(68, 24.770, 256.543)

Have a look what the booklet for  
CIELCh(68, 24.770, 256.543)  
contains.

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# **Color**

**CIELCh(68, 24.817, 256.784)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DABD1
RGB	125, 171, 209
RGB Percent	49%, 67%, 82%
CMY	0.5107, 0.3303, 0.1813
CMYK	0.40, 0.18, 0.00, 0.18
HSL	207°, 48%, 65%
HSV	207°, 40%, 82%
XYZ	34.4210, 37.9720, 65.6799
YIQ	161.5780, -39.6140, 2.0660

# Conversions

## Conversions Part 2

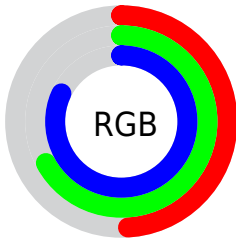
Format	Color
R <sub>YB</sub>	125, 155, 209
Decimal	8235985
CIE Lab	68.00, -5.67, -24.16
CIE LCh	68, 24.817, 256.784
Yxy	37.9720, 0.2493, 0.2750
Android (android.graphics.Color)	4286426065 (0xFF7DABD1)
YUV	161.5780, 23.3790, -32.0789
Hunter-Lab	61.6215, -8.1295, -20.0599

# Details

The CIELCh color **68, 24.817, 256.784** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **70, 28.851, 65.464**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 20.652, 246.259**, and **48, 24.603, 256.161** is the 20% darker color. If you saturate the color by 10%, you get **64, 30.517, 259.356**, and if you desaturate by 10%, it is **72, 18.901, 254.642**.

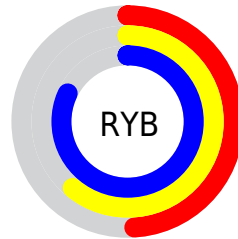
# Distribution



Red (49%)

Green (67%)

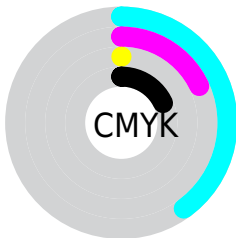
Blue (82%)



Red (49%)

Yellow (61%)

Blue (82%)

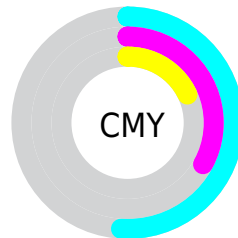


Cyan (40%)

Magenta (18%)

Yellow (0%)

Black (18%)



Cyan (51%)

Magenta (33%)

Yellow (18%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 24.817, 256.784 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 68, 24.817, 256.784 by changing the saturation by 10% instead.



 68, 24.817,  
256.784

 68, 24.817,  
256.784


 100, 24.817,  
256.784


 58, 24.817,  
256.784


 88, 24.817,  
256.784

 48, 24.817,  
256.784


 98, 24.817,  
256.784

 38, 24.817,  
256.784

 28, 24.817,  
256.784

 18, 24.817,  
256.784

 8, 24.817, 256.784

 0, 24.817, 256.784

68, 24.817,  
256.784

68, 24.817,  
256.784

64, 30.517,  
259.356

72, 18.901,  
254.642

61, 35.998,  
262.426

76, 12.797,  
252.868

57, 41.289,  
266.034

80, 6.536, 251.412

54, 46.458,  
270.176

84, 0.157, 252.773

88, 6.308, 68.991

51, 51.620,  
274.765

92, 12.828, 68.137

48, 56.803,  
279.398

94, 15.928, 83.760

97, 19.363, 99.025

99, 23.351,  
108.408



# Harmonies

# Complementary

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



68, 24.817, 256.784



70, 28.851, 65.464

# Rectangle

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



68, 24.817, 256.784



68, 24.817, 306.784



68, 24.817, 76.784



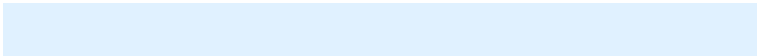
68, 24.817, 126.784

# Sweetspot

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



68, 24.816, 256.783



94, 9.000, 251.665



78, 38.783, 157.185



50, 5.962, 251.848



0, 0.000, 0.000



53, 0.007, 296.813



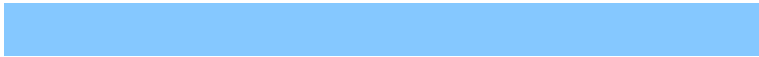


# Same Dimension

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



68, 24.816, 256.783



78, 34.392, 258.891



57, 45.532, 293.686



42, 3.632, 251.307



39, 47.720, 278.612



7, 15.184, 267.127



# Inverse Universe

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



63, 40.125, 344.924



71, 55.801, 345.963



81, 41.449, 104.040



41, 5.600, 341.874



36, 62.836, 357.263



5, 22.341, 350.813



# Previews

## White Background



This preview shows how the CIELCh color 68, 24.817, 256.784 looks on a white background.

## Color Contrast Check

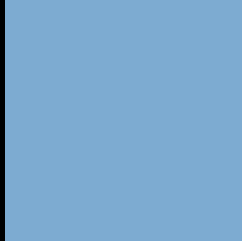
Large Text (above 18pt) WCAG AA × Fail

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 68, 24.817, 256.784 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

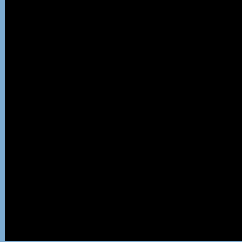
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 68, 24.817, 256.784

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 24.817, 256.784.



This preview shows how white text looks on a background with the CIELCh color 68, 24.817, 256.784.

# 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

68, 24.817, 256.784

### Protanopia

68, 22.139, 285.403

### Deuteranopia

68, 27.042, 289.385





**Tritanopia**  
68, 19.334, 221.791

# Trichromacy



**Original Color**  
68, 24.817, 256.784

**Protanomaly**  
68, 22.860, 274.819

**Deuteranomaly**  
68, 25.416, 277.868

**Tritanomaly**  
68, 20.544, 236.711

# Monochromacy



**Original Color**  
68, 24.817, 256.784

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
67, 9.279, 250.045

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 24.817, 256.784 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(125, 171, 209)` looks like.

```
.text, #text, p{  
    color:rgb(125, 171, 209)  
}
```

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(125, 171, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 171, 209) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 24.817, 256.784 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(125, 171, 209) }
```

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

```
.border{ border-color:rgb(125, 171, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 171, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 171, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 171, 209);  
box-shadow:4px 4px 4px 4px rgb(125, 171,  
209) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 24.817, 256.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 171, 209) }
```

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

```
.background{ background-color: rgb(125,  
171, 209) }
```

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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