

Converting Colors

CIELCh(65, 28.880, 254.387)

Have a look what the booklet for
CIELCh(65, 28.880, 254.387)
contains.

CIELCh(65, 28.962, 254.768)	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(65, 28.962, 254.768)

Conversions

Conversions Part 1

Format	Color
Hex	68A4CF
RGB	104, 164, 207
RGB Percent	41%, 64%, 81%
CMY	0.5917, 0.3565, 0.1878
CMYK	0.50, 0.21, 0.00, 0.19
HSL	205°, 52%, 61%
HSV	205°, 50%, 81%
XYZ	30.2908, 34.0472, 64.0752
YIQ	150.9620, -49.5630, 0.6530

Conversions

Conversions Part 2

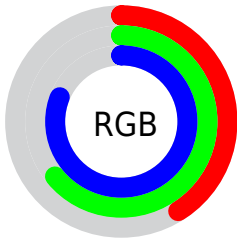
Format	Color
RYB	104, 142, 207
Decimal	6857935
CIELab	65.00, -7.61, -27.94
CIElCh	65, 28.962, 254.768
Yxy	34.0472, 0.2359, 0.2651
Android (android.graphics.Color)	4285048015 (0xFF68A4CF)
YUV	150.9620, 27.6267, -41.1857
Hunter-Lab	58.3500, -9.4491, -24.2625

Details

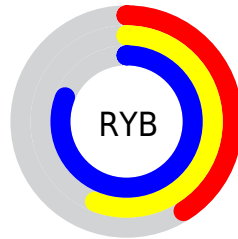
The CIELCh color **65, 28.962, 254.768** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **66, 36.269, 60.861**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 25.590, 246.735**, and **45, 29.296, 255.708** is the 20% darker color. If you saturate the color by 10%, you get **62, 34.020, 257.758**, and if you desaturate by 10%, it is **68, 23.611, 252.285**.

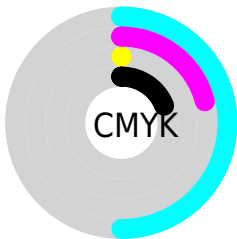
Distribution



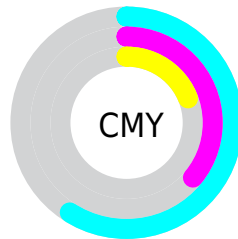
- Red (41%)
- Green (64%)
- Blue (81%)



- Red (41%)
- Yellow (56%)
- Blue (81%)



- Cyan (50%)
- Magenta (21%)
- Yellow (0%)
- Black (19%)





- Cyan (59%)
- Magenta (36%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 28.962, 254.768 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 65, 28.962, 254.768 by changing the saturation by 10% instead.


 65, 28.962,
254.768


 65, 28.962,
254.768


 100, 28.962,
254.768


 55, 28.962,
254.768


 85, 28.962,
254.768

 45, 28.962,
254.768

 95, 28.962,
254.768

 35, 28.962,
254.768

 25, 28.962,
254.768

 15, 28.962,
254.768

 5, 28.962, 254.768

 0, 28.962, 254.768

65, 28.962,
254.768

65, 28.962,
254.768

62, 34.020,
257.758

68, 23.611,
252.285

58, 38.804,
261.313

72, 17.985,
250.239

55, 43.377,
265.446

76, 12.119,
248.560

52, 47.853,
270.094

79, 6.055, 247.201

50, 52.407,
274.989

83, 0.164, 63.261

50, 52.534,
275.115

87, 6.497, 64.935

91, 12.910, 64.157

94, 15.747, 77.852

96, 18.430, 93.341

Harmonies

Complementary

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



65, 28.962, 254.768



66, 36.269, 60.861

Rectangle

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



65, 28.962, 254.768



65, 28.962, 304.768



65, 28.962, 74.768



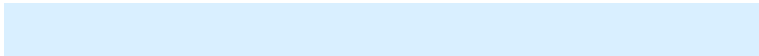
65, 28.962, 124.768

Sweetspot

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



65, 28.961, 254.767



93, 10.976, 247.903



76, 48.298, 154.411



49, 7.467, 248.203



0, 0.000, 0.000



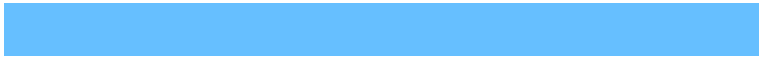
53, 0.007, 296.813

Same Dimension

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



65, 28.961, 254.767



74, 40.366, 258.085



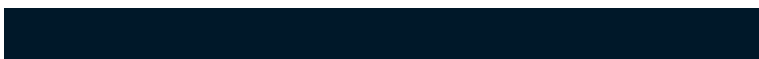
51, 54.865, 294.236



42, 3.560, 247.163



41, 44.466, 274.325



7, 14.476, 262.845

Inverse Universe

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



58, 49.729, 344.146



65, 69.061, 345.650



79, 48.886, 101.406



41, 5.736, 340.143



36, 63.622, 354.172



5, 22.792, 348.481

Previews

White Background



This preview shows how the CIELCh color 65, 28.962, 254.768 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 65, 28.962, 254.768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

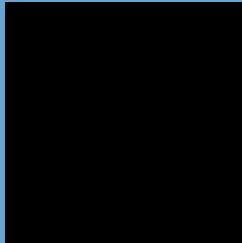
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

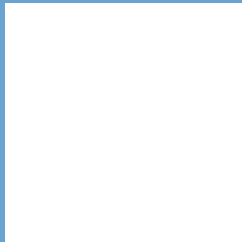
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 28.962, 254.768

Background



This preview shows how black text looks on a background with the CIELCh color 65, 28.962, 254.768.

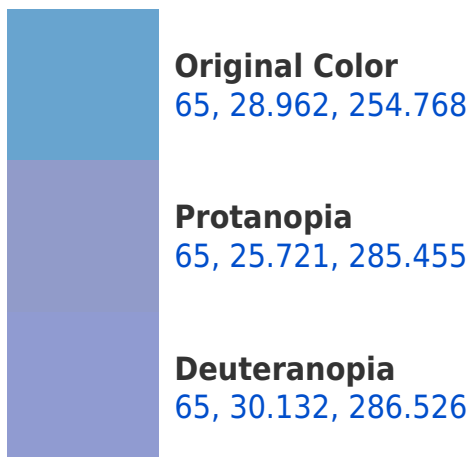



This preview shows how white text looks on a background with the CIELCh color 65, 28.962, 254.768.

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
65, 23.695, 215.563

Trichromacy



Original Color
65, 28.962, 254.768

Protanomaly
65, 26.232, 272.854

Deuteranomaly
65, 28.881, 274.704

Tritanomaly
65, 24.218, 231.705

Monochromacy



Original Color
65, 28.962, 254.768

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 11.265, 247.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 28.962, 254.768 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(104, 164, 207)` looks like.

```
.text, #text, p{  
    color:rgb(104, 164, 207)  
}
```

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(104, 164, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 164, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 28.962, 254.768 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(104, 164, 207) }
```

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

```
.border{ border-color:rgb(104, 164, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 164, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 164, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 164, 207);  
box-shadow:4px 4px 4px 4px rgb(104, 164,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 28.962, 254.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 164, 207) }
```

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

```
.background{ background-color: rgb(104,  
164, 207) }
```

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