

Converting Colors

CIELCh(65, 25.121, 257.897)

Have a look what the booklet for
CIELCh(65, 25.121, 257.897)
contains.

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Color

CIELCh(65, 24.945, 257.139)

Conversions

Conversions Part 1

Format	Color
Hex	75A3C9
RGB	117, 163, 201
RGB Percent	46%, 64%, 79%
CMY	0.5424, 0.3620, 0.2130
CMYK	0.42, 0.19, 0.00, 0.21
HSL	207°, 44%, 62%
HSV	207°, 42%, 79%
XYZ	30.8413, 34.0472, 60.0065
YIQ	153.5780, -39.6140, 2.0660

Conversions

Conversions Part 2

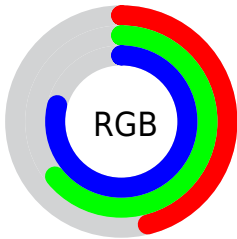
Format	Color
R _Y B	117, 147, 201
Decimal	7709641
CIE Lab	65.00, -5.55, -24.32
CIE LCh	65, 24.945, 257.139
Yxy	34.0472, 0.2469, 0.2726
Android (android.graphics.Color)	4285899721 (0xFF75A3C9)
YUV	153.5780, 23.3790, -32.0789
Hunter-Lab	58.3500, -7.7649, -20.1282

Details

The CIELCh color `65, 24.945, 257.139` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `67, 29.187, 65.290`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 23.719, 254.386`, and `45, 25.146, 257.942` is the 20% darker color. If you saturate the color by 10%, you get `61, 30.432, 259.775`, and if you desaturate by 10%, it is `69, 19.247, 254.941`.

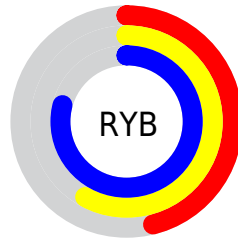
Distribution



Red (46%)

Green (64%)

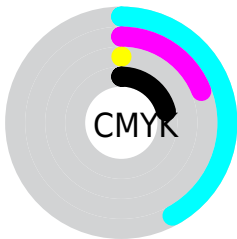
Blue (79%)



Red (46%)

Yellow (58%)

Blue (79%)

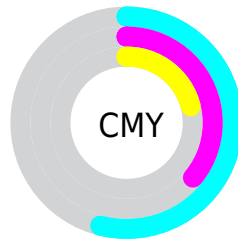


Cyan (42%)

Magenta (19%)

Yellow (0%)

Black (21%)



Cyan (54%)


Magenta (36%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 24.945, 257.139 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, 24.945, 257.139 by changing the saturation by 10% instead.


 65, 24.945,
257.139


 65, 24.945,
257.139


 100, 24.945,
257.139


 55, 24.945,
257.139


 85, 24.945,
257.139

 45, 24.945,
257.139

 95, 24.945,
257.139

 35, 24.945,
257.139

 25, 24.945,
257.139

 15, 24.945,
257.139

 5, 24.945, 257.139

 0, 24.945, 257.139

65, 24.945,
257.139

65, 24.945,
257.139

61, 30.432,
259.775

69, 19.247,
254.941

58, 35.710,
262.915

72, 13.362,
253.118

55, 40.811,
266.593

76, 7.321, 251.618

51, 45.808,
270.795

80, 1.159, 250.637

84, 5.090, 69.133

48, 50.815,
275.423

88, 11.397, 68.267

46, 55.014,
279.262

92, 17.181, 69.560

94, 19.276, 85.939

96, 22.595, 98.188

Harmonies

Complementary

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



65, 24.945, 257.139



67, 29.187, 65.290

Rectangle

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



65, 24.945, 257.139



65, 24.945, 307.139



65, 24.945, 77.139



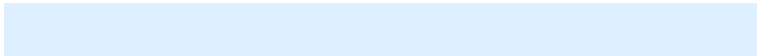
65, 24.945, 127.139

Sweetspot

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



65, 24.944, 257.138



94, 9.740, 251.800



75, 38.997, 156.998



49, 6.801, 252.118



0, 0.000, 0.000



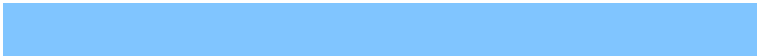
53, 0.007, 296.813

Same Dimension

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



65, 24.944, 257.138



77, 35.709, 259.448



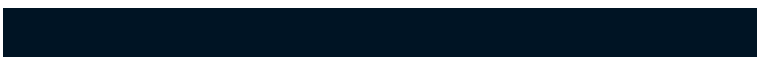
54, 46.015, 293.971



40, 3.485, 251.295



38, 46.542, 278.481



6, 13.260, 265.781

Inverse Universe

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



60, 40.379, 345.101



70, 57.931, 346.234



78, 41.693, 103.889



39, 5.373, 341.867



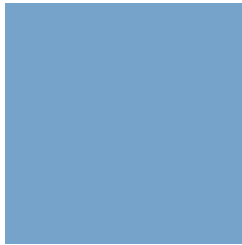
35, 61.447, 357.161



4, 18.365, 350.045

Previews

White Background



This preview shows how the CIE LCh color 65, 24.945, 257.139 looks on a white background.

Color Contrast Check

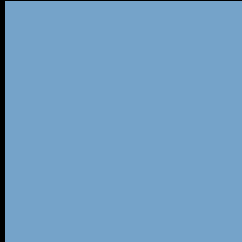
Large Text (above 18pt) WCAG AA × Fail

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, 24.945, 257.139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

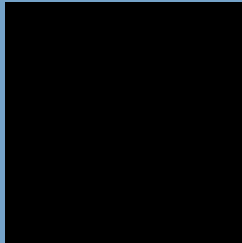
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

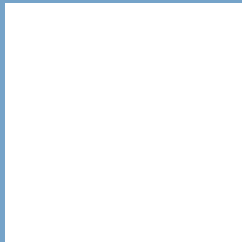
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 24.945, 257.139

Background



This preview shows how black text looks on a background with the CIELCh color 65, 24.945, 257.139.



This preview shows how white text looks on a background with the CIELCh color 65, 24.945, 257.139.

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
65, 24.945, 257.139

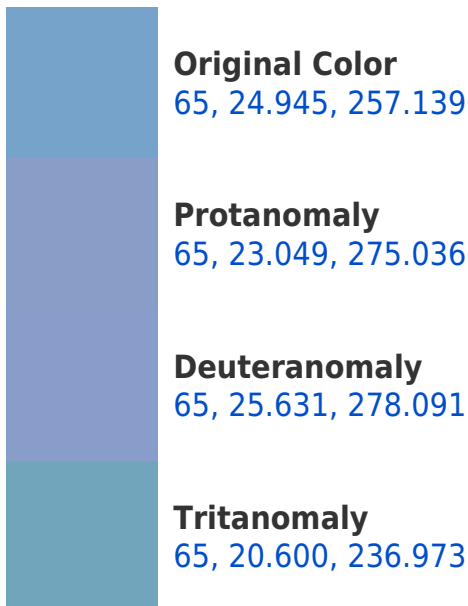
Protanopia
65, 22.338, 285.544

Deuteranopia
65, 26.750, 288.695

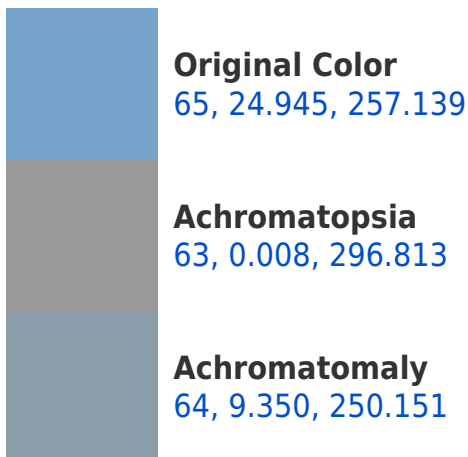


Tritanopia
65, 19.369, 221.933

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 24.945, 257.139 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(117, 163, 201)` looks like.

```
.text, #text, p{  
    color:rgb(117, 163, 201)  
}
```

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(117, 163, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 163, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 24.945, 257.139 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(117, 163, 201) }
```

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

```
.border{ border-color:rgb(117, 163, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 163, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 163, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 163, 201);  
box-shadow:4px 4px 4px 4px rgb(117, 163,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 24.945, 257.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 163, 201) }
```

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

```
.background{ background-color: rgb(117,  
163, 201) }
```

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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