

Converting Colors

CIELCh(65, 22.628, 264.051)

Have a look what the booklet for
CIELCh(65, 22.628, 264.051)
contains.

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Color

CIELCh(65, 22.751, 264.311)

Conversions

Conversions Part 1

Format	Color
Hex	80A1C6
RGB	128, 161, 198
RGB Percent	50%, 63%, 78%
CMY	0.4989, 0.3695, 0.2245
CMYK	0.35, 0.19, 0.00, 0.22
HSL	212°, 38%, 64%
HSV	212°, 35%, 78%
XYZ	31.7378, 34.0472, 58.1806
YIQ	155.3510, -31.5450, 4.5110

Conversions

Conversions Part 2

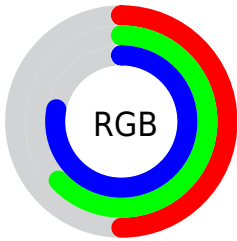
Format	Color
RYB	128, 150, 198
Decimal	8430022
CIELab	65.00, -2.26, -22.64
CIElCh	65, 22.751, 264.311
Yxy	34.0472, 0.2560, 0.2747
Android (android.graphics.Color)	4286620102 (0xFF80A1C6)
YUV	155.3510, 21.0260, -23.9868
Hunter-Lab	58.3500, -5.0226, -18.2730

Details

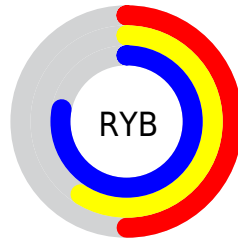
The CIELCh color `65, 22.751, 264.311` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `70, 24.681, 73.924`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 22.689, 264.283`, and `45, 22.521, 263.792` is the 20% darker color. If you saturate the color by 10%, you get `61, 29.042, 266.696`, and if you desaturate by 10%, it is `69, 16.387, 262.296`.

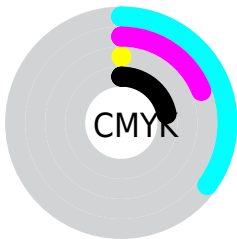
Distribution



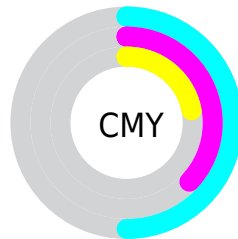
- Red (50%)
- Green (63%)
- Blue (78%)



- Red (50%)
- Yellow (59%)
- Blue (78%)



- Cyan (35%)
- Magenta (19%)
- Yellow (0%)
- Black (22%)





- Cyan (50%)
- Magenta (37%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 22.751, 264.311 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, 22.751, 264.311 by changing the saturation by 10% instead.


 65, 22.751,
264.311


 65, 22.751,
264.311


 100, 22.751,
264.311


 55, 22.751,
264.311


 85, 22.751,
264.311

 45, 22.751,
264.311

 95, 22.751,
264.311

 35, 22.751,
264.311

 25, 22.751,
264.311

 15, 22.751,
264.311

 5, 22.751, 264.311

 0, 22.751, 264.311

65, 22.751,
264.311

65, 22.751,
264.311

61, 29.042,
266.696

69, 16.387,
262.296

57, 35.266,
269.509

73, 9.965, 260.604

78, 3.502, 259.223

53, 41.447,
272.784

82, 2.983, 77.780

49, 47.637,
276.521

86, 9.469, 76.804

46, 53.915,
280.652

90, 15.940, 75.908

94, 20.247, 85.320

43, 60.355,
285.023

96, 24.055, 98.669

41, 63.408,
286.961

99, 28.772,
107.867

Harmonies

Complementary

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



65, 22.751, 264.311



70, 24.681, 73.924

Rectangle

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



65, 22.751, 264.311



65, 22.751, 314.311



65, 22.751, 84.311



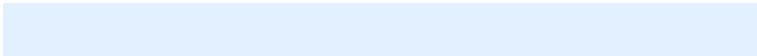
65, 22.751, 134.311

Sweetspot

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



65, 22.750, 264.309



94, 8.765, 259.978



75, 31.107, 161.148



50, 5.887, 260.176



0, 0.000, 0.000



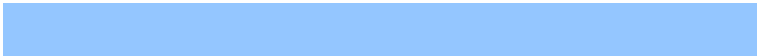
53, 0.007, 296.813

Same Dimension

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



65, 22.750, 264.309



79, 33.076, 265.998



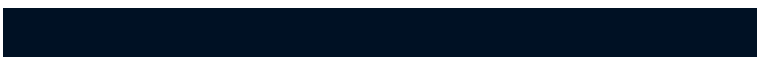
56, 40.083, 295.233



40, 3.695, 259.730



34, 54.200, 286.302



5, 14.481, 272.638

Inverse Universe

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



62, 32.374, 348.728



74, 47.142, 349.680



78, 36.692, 107.531



39, 5.105, 345.966



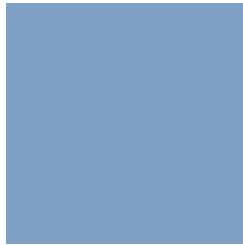
35, 60.517, 4.257



4, 17.593, 354.707

Previews

White Background



This preview shows how the CIELCh color 65, 22.751, 264.311 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 65, 22.751, 264.311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

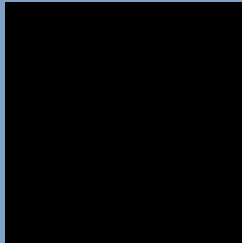
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

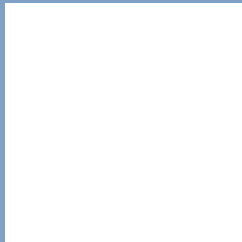
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 22.751, 264.311

Background



This preview shows how black text looks on a background with the CIELCh color 65, 22.751, 264.311.



This preview shows how white text looks on a background with the CIELCh color 65, 22.751, 264.311.

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, 22.751, 264.311

Protanopia
65, 21.241, 285.028

Deuteranopia
65, 25.055, 290.477



Tritanopia
65, 15.492, 226.373

Trichromacy



Original Color
65, 22.751, 264.311

Protanomaly
65, 21.156, 276.706

Deuteranomaly
65, 24.178, 282.396

Tritanomaly
65, 17.271, 244.023

Monochromacy



Original Color
65, 22.751, 264.311

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 8.829, 261.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 22.751, 264.311 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(128, 161, 198)` looks like.

```
.text, #text, p{  
    color:rgb(128, 161, 198)  
}
```

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(128, 161, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 161, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 22.751, 264.311 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(128, 161, 198) }
```

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

```
.border{ border-color:rgb(128, 161, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 161, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 161, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 161, 198);  
box-shadow:4px 4px 4px 4px rgb(128, 161,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 22.751, 264.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 161, 198) }
```

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

```
.background{ background-color: rgb(128,  
161, 198) }
```

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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