

Converting Colors

CIELCh(65, 19.728, 258.214)

Have a look what the booklet for
CIELCh(65, 19.728, 258.214)
contains.

CIELCh(65, 19.990, 259.008)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(65, 19.990, 259.008)

Conversions

Conversions Part 1

Format	Color
Hex	80A1C0
RGB	128, 161, 192
RGB Percent	50%, 63%, 75%
CMY	0.4967, 0.3673, 0.2457
CMYK	0.33, 0.16, 0.00, 0.25
HSL	209°, 34%, 63%
HSV	209°, 33%, 75%
XYZ	31.3125, 34.0472, 54.9973
YIQ	154.6670, -29.6190, 2.6450

Conversions

Conversions Part 2

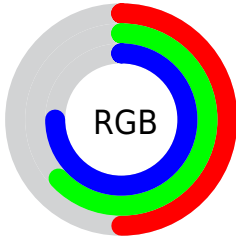
Format	Color
R _Y B	128, 150, 192
Decimal	8430016
CIE Lab	65.00, -3.81, -19.62
CIE LCh	65, 19.990, 259.008
Yxy	34.0472, 0.2602, 0.2829
Android (android.graphics.Color)	4286620096 (0xFF80A1C0)
YUV	154.6670, 18.4052, -23.3870
Hunter-Lab	58.3500, -6.3235, -15.0383

Details

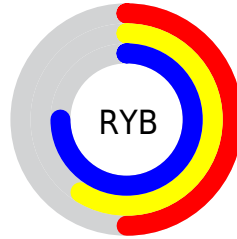
The CIELCh color `65, 19.990, 259.008` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `68, 22.127, 69.686`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 19.764, 257.817`, and `45, 19.665, 257.494` is the 20% darker color. If you saturate the color by 10%, you get `61, 25.742, 261.288`, and if you desaturate by 10%, it is `69, 14.101, 257.097`.

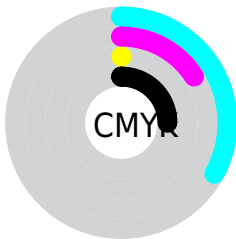
Distribution



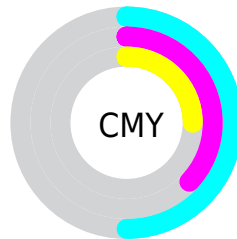
- Red (50%)
- Green (63%)
- Blue (75%)



- Red (50%)
- Yellow (59%)
- Blue (75%)



- Cyan (33%)
- Magenta (16%)
- Yellow (0%)
- Black (25%)



- Cyan (50%)
- Magenta (37%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 19.990, 259.008 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, 19.990, 259.008 by changing the saturation by 10% instead.

■ 65, 19.990,
259.008

■ 65, 19.990,
259.008

■ 100, 19.990,
259.008

■ 55, 19.990,
259.008

■ 85, 19.990,
259.008

■ 45, 19.990,
259.008

■ 95, 19.990,
259.008

■ 35, 19.990,
259.008

■ 25, 19.990,
259.008

■ 15, 19.990,
259.008

■ 5, 19.990, 259.008

■ 0, 19.990, 259.008

65, 19.990,
259.008

65, 19.990,
259.008

61, 25.742,
261.288

69, 14.101,
257.097

58, 31.350,
264.004

73, 8.101, 255.509

77, 2.015, 254.293

54, 36.822,
267.204

80, 4.129, 72.874

51, 42.199,
270.911

84, 10.307, 71.951

47, 47.559,
275.089

88, 16.498, 71.125

92, 20.832, 77.066

44, 53.000,
279.616

94, 23.489, 90.203

42, 56.775,
282.639

96, 27.104,
100.142

Harmonies

Complementary

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



65, 19.990, 259.008



68, 22.127, 69.686

Rectangle

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



65, 19.990, 259.008



65, 19.990, 309.008



65, 19.990, 79.008



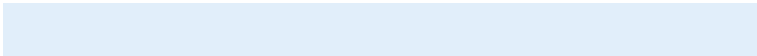
65, 19.990, 129.008

Sweetspot

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



65, 19.989, 259.006



93, 7.562, 255.076



73, 29.438, 159.666



49, 5.153, 255.269



99, 0.012, 296.813



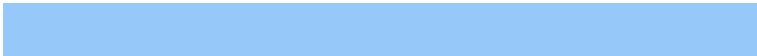
52, 0.007, 296.813

Same Dimension

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



65, 19.989, 259.006



79, 29.507, 260.645



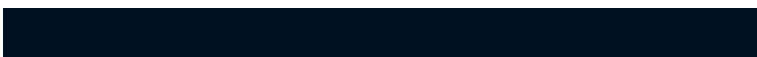
56, 36.019, 293.736



39, 3.489, 254.972



35, 49.040, 281.968



5, 12.609, 268.063

Inverse Universe

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



61, 30.526, 345.903



74, 45.299, 346.772



76, 33.276, 106.269



38, 5.145, 343.544



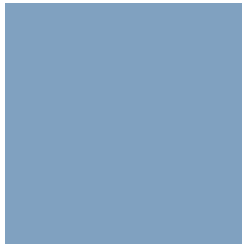
34, 60.227, 0.053



3, 15.971, 351.400

Previews

White Background



This preview shows how the CIELCh color 65, 19.990, 259.008 looks on a white background.

Color Contrast Check

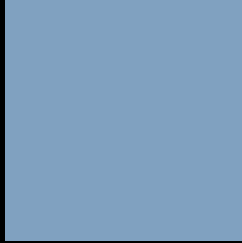
Large Text (above 18pt) WCAG AA × Fail

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, 19.990, 259.008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

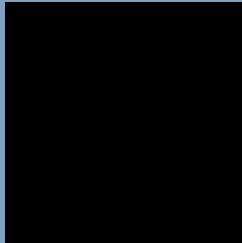
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

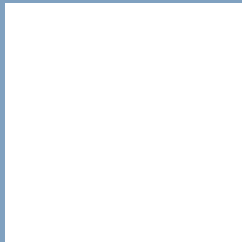
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 19.990, 259.008

Background



This preview shows how black text looks on a background with the CIELCh color 65, 19.990, 259.008.

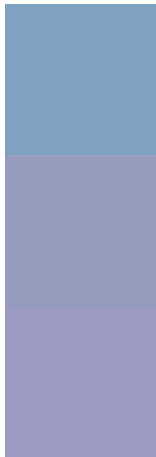


This preview shows how white text looks on a background with the CIELCh color 65, 19.990, 259.008.

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, 19.990, 259.008

Protanopia
65, 18.428, 285.630

Deuteranopia
65, 22.280, 292.501



Tritanopia
65, 14.947, 227.525

Trichromacy



Original Color
65, 19.990, 259.008

Protanomaly
65, 18.442, 274.850

Deuteranomaly
65, 20.310, 280.703

Tritanomaly
65, 16.376, 241.661

Monochromacy



Original Color
65, 19.990, 259.008

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 7.893, 257.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 19.990, 259.008 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, 192)` looks like.

```
.text, #text, p{  
    color:rgb(128, 161, 192)  
}
```

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, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 161, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 19.990, 259.008 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, 192) }
```

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

```
.border{ border-color:rgb(128, 161, 192) }
```

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, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 161, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 161, 192); box-shadow:4px 4px 4px 4px rgb(128, 161, 192) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 19.990, 259.008 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, 192) }
```

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

```
.background{ background-color: rgb(128,  
161, 192) }
```

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