

Converting Colors

CIELCh(65, 10.312, 220.379)

Have a look what the booklet for
CIELCh(65, 10.312, 220.379)
contains.

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Color

CIELCh(65, 10.298, 220.986)

Conversions

Conversions Part 1

Format	Color
Hex	87A2A9
RGB	135, 162, 169
RGB Percent	53%, 64%, 66%
CMY	0.4690, 0.3631, 0.3357
CMYK	0.20, 0.04, 0.00, 0.34
HSL	192°, 17%, 60%
HSV	192°, 20%, 66%
XYZ	30.2470, 34.0472, 42.7146
YIQ	154.7250, -18.3390, -3.5470

Conversions

Conversions Part 2

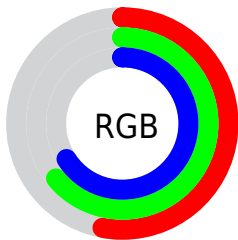
Format	Color
R_{YB}	135, 150, 169
Decimal	8889001
CIE _{Lab}	65.00, -7.77, -6.75
CIE _{LCh}	65, 10.298, 220.986
Yxy	34.0472, 0.2827, 0.3182
Android (android.graphics.Color)	4287079081 (0xFF87A2A9)
YUV	154.7250, 7.0376, -17.2988
Hunter-Lab	58.3500, -9.5829, -2.5578

Details

The CIELCh color `65, 10.298, 220.986` is a light color, and the websafe version is hex `999999`. A complement of this color would be `61, 11.723, 39.786`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 10.210, 220.052`, and `45, 10.104, 223.054` is the 20% darker color. If you saturate the color by 10%, you get `63, 14.928, 221.615`, and if you desaturate by 10%, it is `67, 5.312, 220.559`.

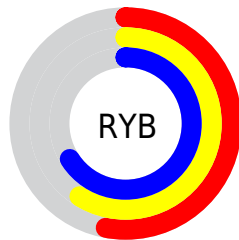
Distribution



Red (53%)

Green (64%)

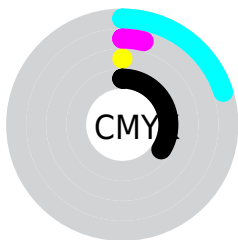
Blue (66%)



Red (53%)

Yellow (59%)

Blue (66%)

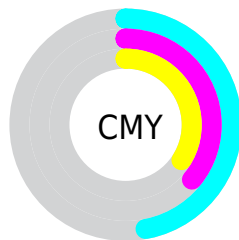


Cyan (20%)

Magenta (4%)

Yellow (0%)

Black (34%)



Cyan (47%)


Magenta (36%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 10.298, 220.986 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, 10.298, 220.986 by changing the saturation by 10% instead.


 65, 10.298,
220.986


 65, 10.298,
220.986


 100, 10.298,
220.986


 55, 10.298,
220.986


 85, 10.298,
220.986

 45, 10.298,
220.986

 95, 10.298,
220.986

 35, 10.298,
220.986

 25, 10.298,
220.986

 15, 10.298,
220.986

 5, 10.298, 220.986

 0, 10.298, 220.986

65, 10.298,
220.986

65, 10.298,
220.986

63, 14.928,
221.615

67, 5.312, 220.559

61, 19.125,
222.498

69, 0.044, 231.138

72, 5.446, 39.869

59, 22.812,
223.684

74, 11.099, 39.805

57, 25.920,
225.242

76, 16.872, 39.779

79, 22.726, 39.798

56, 28.406,
227.252

82, 28.633, 39.853

54, 30.261,
229.796

82, 28.411, 43.718

83, 27.950, 47.982

53, 31.532,
232.944

52, 32.419,

236.553

Harmonies

Complementary

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



65, 10.298, 220.986



61, 11.723, 39.786

Rectangle

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



65, 10.298, 220.986



65, 10.298, 270.986



65, 10.298, 40.986



65, 10.298, 90.986

Sweetspot

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



65, 10.298, 220.978



86, 3.940, 220.476



66, 19.984, 149.151



45, 2.606, 220.483



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



65, 10.298, 220.978



81, 14.983, 221.228



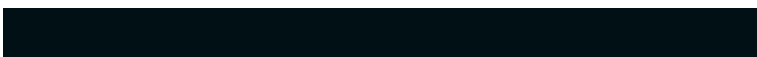
60, 13.818, 276.461



35, 2.973, 220.537



46, 29.305, 236.063



4, 5.420, 227.645

Inverse Universe

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



60, 19.982, 331.978



74, 29.491, 332.265



66, 13.773, 91.234



33, 5.572, 331.273



33, 65.819, 338.295



2, 9.663, 333.028

Previews

White Background



This preview shows how the CIELCh color 65, 10.298, 220.986 looks on a white background.

Color Contrast Check

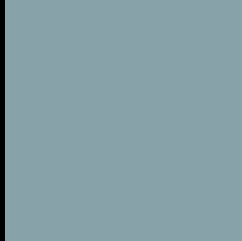
Large Text (above 18pt) WCAG AA × Fail

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, 10.298, 220.986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

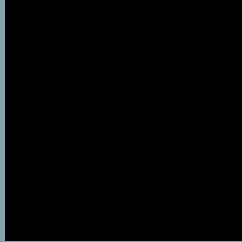
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

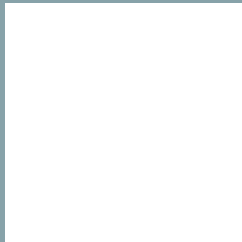
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 10.298, 220.986

Background



This preview shows how black text looks on a background with the CIELCh color 65, 10.298, 220.986.



This preview shows how white text looks on a background with the CIELCh color 65, 10.298, 220.986.

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, 10.298, 220.986

Protanopia

65, 5.631, 298.403

Deuteranopia

65, 11.189, 316.855



Tritanopia
65, 11.175, 235.602

Trichromacy



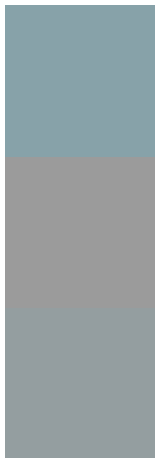
Original Color
65, 10.298, 220.986

Protanomaly
65, 5.757, 259.919

Deuteranomaly
65, 7.798, 288.306

Tritanomaly
65, 10.629, 230.429

Monochromacy



Original Color
65, 10.298, 220.986

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 3.884, 215.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 10.298, 220.986 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(135, 162, 169)` looks like.

```
.text, #text, p{  
    color:rgb(135, 162, 169)  
}
```

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(135, 162, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 162, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 10.298, 220.986 is called "border". The border property can be set on classes, ids or directly on the HTML element.

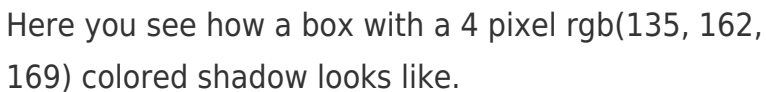
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 162, 169) }
```

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

```
.border{ border-color:rgb(135, 162, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 162, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 162, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 162, 169); box-shadow:4px 4px 4px 4px rgb(135, 162, 169) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 10.298, 220.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 162, 169) }
```

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

```
.background{ background-color: rgb(135,  
162, 169) }
```

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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