

Converting Colors

CIELCh(64, 12.065, 214.654)

Have a look what the booklet for
CIELCh(64, 12.065, 214.654)
contains.

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Color

CIELCh(64, 12.065, 214.654)

Conversions

Conversions Part 1

Format	Color
Hex	80A1A7
RGB	128, 161, 167
RGB Percent	50%, 63%, 65%
CMY	0.4986, 0.3692, 0.3457
CMYK	0.23, 0.04, 0.00, 0.35
HSL	189°, 18%, 58%
HSV	189°, 23%, 65%
XYZ	28.5618, 32.8017, 41.3141
YIQ	151.8170, -21.5940, -5.1300

Conversions

Conversions Part 2

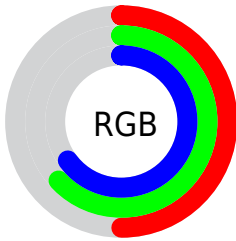
Format	Color
RYB	128, 146, 167
Decimal	8429991
CIELab	64.00, -9.92, -6.86
CIELCh	64, 12.065, 214.654
Yxy	32.8017, 0.2782, 0.3195
Android (android.graphics.Color)	4286620071 (0xFF80A1A7)
YUV	151.8170, 7.4852, -20.8875
Hunter-Lab	57.2727, -11.2098, -2.6784

Details

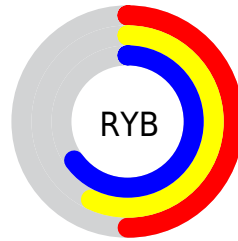
The CIELCh color **64, 12.065, 214.654** is a light color, and the websafe version is hex **669999**. A complement of this color would be **59, 14.124, 34.479**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 11.955, 214.077**, and **44, 11.851, 215.983** is the 20% darker color. If you saturate the color by 10%, you get **62, 16.606, 215.026**, and if you desaturate by 10%, it is **66, 7.116, 214.445**.

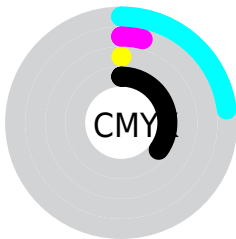
Distribution



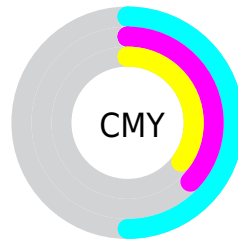
- Red (50%)
- Green (63%)
- Blue (65%)



- Red (50%)
- Yellow (57%)
- Blue (65%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (35%)




- Cyan (50%)
- Magenta (37%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 12.065, 214.654 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 64, 12.065, 214.654 by changing the saturation by 10% instead.


 64, 12.065,
214.654

 64, 12.065,
214.654


 100, 12.065,
214.654


 54, 12.065,
214.654


 84, 12.065,
214.654

 44, 12.065,
214.654

 94, 12.065,
214.654

 34, 12.065,
214.654

 24, 12.065,
214.654

 14, 12.065,
214.654

 4, 12.065, 214.654

 0, 12.065, 214.654

64, 12.065,
214.654

64, 12.065,
214.654

62, 16.606,
215.026

66, 7.116, 214.445

61, 20.654,
215.610

68, 1.840, 214.534

70, 3.691, 34.134

59, 24.127,
216.444

72, 9.414, 34.282

58, 26.957,
217.583

74, 15.277, 34.426

76, 21.235, 34.603

57, 29.101,
219.088

79, 27.254, 34.806

56, 30.554,
221.025

80, 30.765, 35.963

81, 30.192, 38.720

55, 31.369,
223.448

54, 31.715,

Harmonies

Complementary

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



64, 12.065, 214.654



59, 14.124, 34.479

Rectangle

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



64, 12.065, 214.654



64, 12.065, 264.654



64, 12.065, 34.654



64, 12.065, 84.654

Sweetspot

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



64, 12.065, 214.648



85, 4.686, 214.424



65, 23.836, 147.242



45, 3.065, 214.420



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



64, 12.065, 214.648



80, 17.565, 214.819



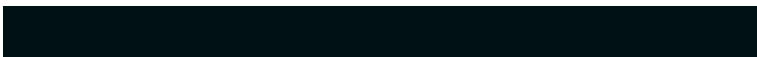
59, 15.025, 273.155



35, 3.067, 214.417



48, 29.033, 224.905



4, 5.556, 220.067

Inverse Universe

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



58, 23.836, 330.355



72, 35.319, 330.675



64, 15.174, 86.818



33, 5.782, 329.485



34, 68.413, 335.326



2, 10.114, 330.699

Previews

White Background



This preview shows how the CIELCh color 64, 12.065, 214.654 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 64, 12.065, 214.654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

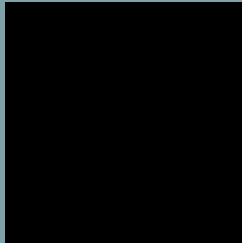
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 12.065, 214.654

Background



This preview shows how black text looks on a background with the CIELCh color 64, 12.065, 214.654.

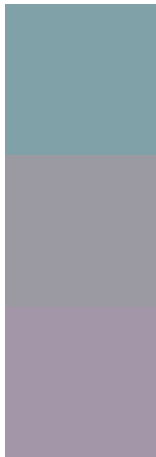


This preview shows how white text looks on a background with the CIELCh color 64, 12.065, 214.654.

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

64, 12.065, 214.654

Protanopia

64, 5.045, 294.988

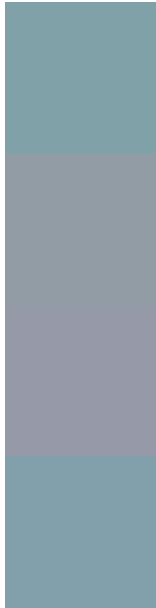
Deuteranopia

64, 11.729, 315.681



Tritanopia
64, 12.814, 233.284

Trichromacy



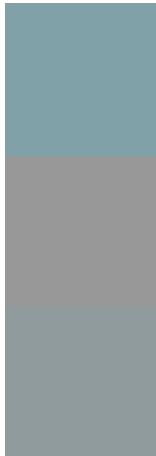
Original Color
64, 12.065, 214.654

Protanomaly
64, 5.961, 247.834

Deuteranomaly
64, 7.925, 280.346

Tritanomaly
64, 12.312, 228.653

Monochromacy



Original Color
64, 12.065, 214.654

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 4.606, 213.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 12.065, 214.654 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(128, 161, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 161, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 12.065, 214.654 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, 167) }
```

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

```
.border{ border-color:rgb(128, 161, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 161, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 161, 167);  
box-shadow:4px 4px 4px 4px rgb(128, 161,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 12.065, 214.654 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, 167) }
```

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

```
.background{ background-color: rgb(128,  
161, 167) }
```

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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