

Converting Colors

CIELCh(64, 20.812, 215.136)

Have a look what the booklet for
CIELCh(64, 20.812, 215.136)
contains.

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Color

CIELCh(64, 20.839, 215.079)

Conversions

Conversions Part 1

Format	Color
Hex	67A5B0
RGB	103, 165, 176
RGB Percent	40%, 65%, 69%
CMY	0.5971, 0.3540, 0.3109
CMYK	0.42, 0.06, 0.00, 0.31
HSL	189°, 32%, 55%
HSV	189°, 42%, 69%
XYZ	26.7763, 32.8017, 45.8499
YIQ	147.7160, -40.4830, -9.7230

Conversions

Conversions Part 2

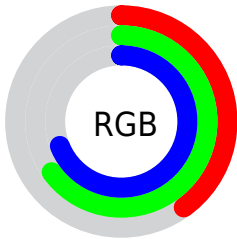
Format	Color
RYB	103, 137, 176
Decimal	6792624
CIELab	64.00, -17.05, -11.98
CIELCh	64, 20.839, 215.079
Yxy	32.8017, 0.2540, 0.3111
Android (android.graphics.Color)	4284982704 (0xFF67A5B0)
YUV	147.7160, 13.9440, -39.2159
Hunter-Lab	57.2727, -16.7744, -7.3739

Details

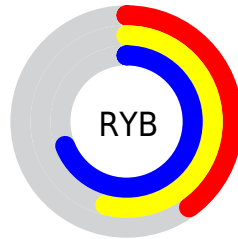
The CIELCh color **64, 20.839, 215.079** is a light color, and the websafe version is hex **669999**. A complement of this color would be **54, 28.287, 35.020**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 20.979, 215.804**, and **44, 20.845, 215.974** is the 20% darker color. If you saturate the color by 10%, you get **62, 24.570, 215.841**, and if you desaturate by 10%, it is **66, 16.517, 214.551**.

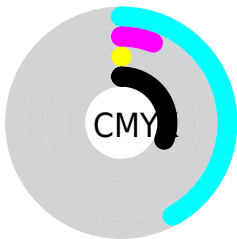
Distribution



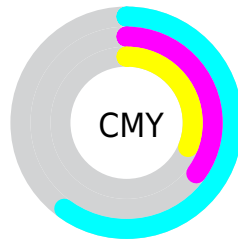
- Red (40%)
- Green (65%)
- Blue (69%)



- Red (40%)
- Yellow (54%)
- Blue (69%)



- Cyan (42%)
- Magenta (6%)
- Yellow (0%)
- Black (31%)





- Cyan (60%)
- Magenta (35%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 20.839, 215.079 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, 20.839, 215.079 by changing the saturation by 10% instead.

 64, 20.839,
215.079


 64, 20.839,
215.079


 100, 20.839,
215.079


 54, 20.839,
215.079


 84, 20.839,
215.079

 44, 20.839,
215.079

 94, 20.839,
215.079

 34, 20.839,
215.079

 24, 20.839,
215.079

 14, 20.839,
215.079

 4, 20.839, 215.079

 0, 20.839, 215.079

64, 20.839,
215.079

64, 20.839,
215.079

62, 24.570,
215.841

66, 16.517,
214.551

61, 27.636,
216.899

67, 11.691,
214.222

60, 29.983,
218.309

69, 6.452, 214.066

59, 31.602,
220.134

71, 0.883, 214.485

74, 4.941, 33.837

58, 32.535,
222.434

76, 10.956, 33.985

57, 32.965,
224.680

78, 17.108, 34.147

80, 23.351, 34.340

82, 27.325, 35.532

Harmonies

Complementary

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



64, 20.839, 215.079



54, 28.287, 35.020

Rectangle

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



64, 20.839, 215.079



64, 20.839, 265.079



64, 20.839, 35.079



64, 20.839, 85.079

Sweetspot

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



64, 20.839, 215.076



88, 8.321, 214.071



66, 43.873, 145.514



46, 5.495, 214.082



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 20.839, 215.076



80, 29.723, 215.783



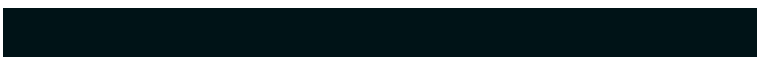
53, 28.207, 276.788



36, 3.150, 214.059



49, 29.413, 224.283



5, 6.579, 220.645

Inverse Universe

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



54, 43.850, 331.392



65, 64.513, 331.982



63, 28.669, 84.368



34, 5.940, 329.384



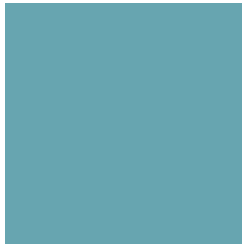
34, 69.428, 335.168



2, 11.964, 330.873

Previews

White Background



This preview shows how the CIELCh color 64, 20.839, 215.079 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 64, 20.839, 215.079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

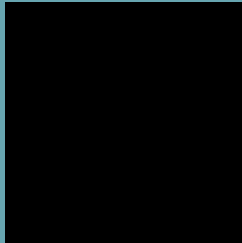
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 20.839, 215.079

Background



This preview shows how black text looks on a background with the CIELCh color 64, 20.839, 215.079.

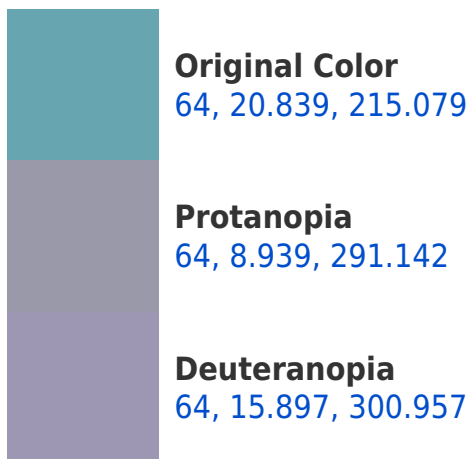



This preview shows how white text looks on a background with the CIELCh color 64, 20.839, 215.079.

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





Tritanopia
64, 20.889, 220.036

Trichromacy



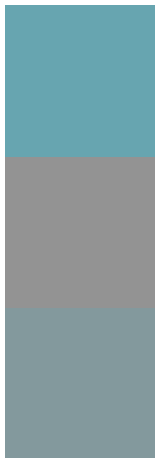
Original Color
64, 20.839, 215.079

Protanomaly
64, 10.877, 245.102

Deuteranomaly
64, 13.621, 263.951

Tritanomaly
64, 20.773, 218.484

Monochromacy



Original Color
64, 20.839, 215.079

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 8.313, 214.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 20.839, 215.079 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(103, 165, 176)` looks like.

```
.text, #text, p{  
    color:rgb(103, 165, 176)  
}
```

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(103, 165, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 165, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 20.839, 215.079 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(103, 165, 176) }
```

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

```
.border{ border-color:rgb(103, 165, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 165, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 165, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 165, 176);  
box-shadow:4px 4px 4px 4px rgb(103, 165,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 20.839, 215.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 165, 176) }
```

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

```
.background{ background-color: rgb(103,  
165, 176) }
```

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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