

Converting Colors

CIELCh(63, 26.317, 218.907)

Have a look what the booklet for
CIELCh(63, 26.317, 218.907)
contains.

CIELCh(63, 26.334, 218.872)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(63, 26.334, 218.872)

Conversions

Conversions Part 1

Format	Color
Hex	50A4B5
RGB	80, 164, 181
RGB Percent	31%, 64%, 71%
CMY	0.6863, 0.3569, 0.2902
CMYK	0.56, 0.09, 0.00, 0.29
HSL	190°, 41%, 51%
HSV	190°, 56%, 71%
XYZ	24.9195, 31.5869, 48.4925
YIQ	140.8220, -55.5210, -12.5210

Conversions

Conversions Part 2

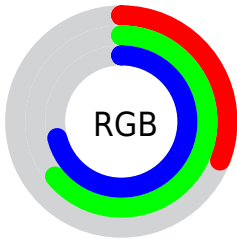
Format	Color
RYB	80, 126, 181
Decimal	5285045
CIELab	63.00, -20.50, -16.53
CIELCh	63, 26.334, 218.872
Yxy	31.5869, 0.2373, 0.3008
Android (android.graphics.Color)	4283475125 (0xFF50A4B5)
YUV	140.8220, 19.8078, -53.3409
Hunter-Lab	56.2022, -19.2089, -11.8151

Details

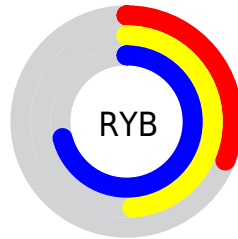
The CIELCh color **63, 26.334, 218.872** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **51, 40.662, 37.621**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 26.377, 219.186**, and **43, 26.300, 218.647** is the 20% darker color. If you saturate the color by 10%, you get **62, 29.161, 220.278**, and if you desaturate by 10%, it is **65, 22.814, 217.817**.

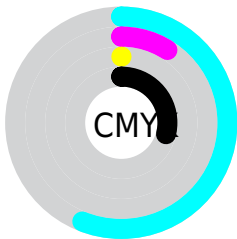
Distribution



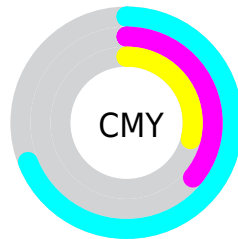
- Red (31%)
- Green (64%)
- Blue (71%)



- Red (31%)
- Yellow (49%)
- Blue (71%)



- Cyan (56%)
- Magenta (9%)
- Yellow (0%)
- Black (29%)





- Cyan (69%)
- Magenta (36%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 26.334, 218.872 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 63, 26.334, 218.872 by changing the saturation by 10% instead.


 63, 26.334,
218.872


 63, 26.334,
218.872


 100, 26.334,
218.872


 53, 26.334,
218.872


 83, 26.334,
218.872

 43, 26.334,
218.872

 93, 26.334,
218.872

 33, 26.334,
218.872

 23, 26.334,
218.872

 13, 26.334,
218.872

 3, 26.334, 218.872

 0, 26.334, 218.872

■ 63, 26.334,
218.872

■ 63, 26.334,
218.872

■ 62, 29.161,
220.278

■ 65, 22.814,
217.817

■ 60, 31.262,
222.109

■ 66, 18.668,
217.053

■ 59, 32.652,
224.435

■ 68, 13.980,
216.526

■ 58, 33.416,
227.303

■ 70, 8.839, 216.195

■ 57, 33.664,
228.582

■ 72, 3.333, 216.084

■ 75, 2.460, 35.630

■ 77, 8.472, 35.772

■ 79, 14.643, 35.859

■ 82, 20.926, 35.981

Harmonies

Complementary

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



63, 26.334, 218.872



51, 40.662, 37.621

Rectangle

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



63, 26.334, 218.872



63, 26.334, 268.872



63, 26.334, 38.872



63, 26.334, 88.872

Sweetspot

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



63, 26.333, 218.870



88, 11.690, 216.233



66, 58.473, 144.322



46, 7.766, 216.288



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



63, 26.333, 218.870



78, 36.085, 220.662



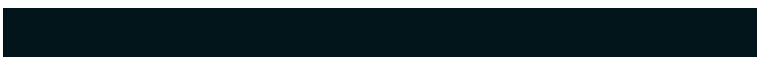
48, 40.184, 281.707



37, 3.188, 216.085



49, 29.736, 228.106



6, 7.595, 224.194

Inverse Universe

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



50, 57.904, 332.979



59, 81.941, 333.816



63, 40.218, 83.741



35, 6.009, 329.975



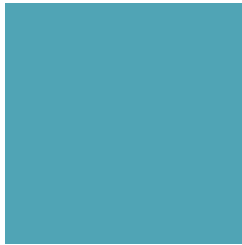
35, 69.345, 336.149



2, 13.728, 332.004

Previews

White Background



This preview shows how the CIE LCh color 63, 26.334, 218.872 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 63, 26.334, 218.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

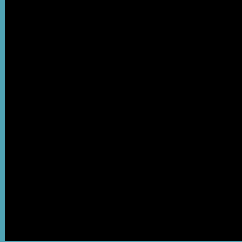
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 26.334, 218.872

Background



This preview shows how black text looks on a background with the CIELCh color 63, 26.334, 218.872.

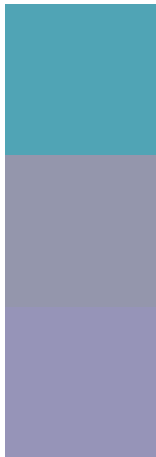


This preview shows how white text looks on a background with the CIELCh color 63, 26.334, 218.872.

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


63, 26.334, 218.872

Protanopia

63, 12.340, 288.162

Deuteranopia

63, 20.225, 294.328



Tritanopia
63, 26.486, 213.466

Trichromacy



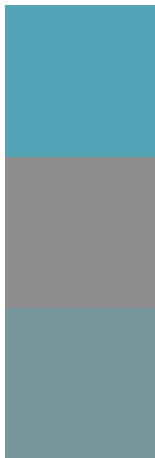
Original Color
63, 26.334, 218.872

Protanomaly
62, 15.361, 245.920

Deuteranomaly
62, 18.594, 260.411

Tritanomaly
63, 26.532, 214.728

Monochromacy



Original Color
63, 26.334, 218.872

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 11.342, 219.047

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 26.334, 218.872 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(80, 164, 181)` looks like.

```
.text, #text, p{  
    color:rgb(80, 164, 181)  
}
```

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(80, 164, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 164, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 26.334, 218.872 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(80, 164, 181) }
```

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

```
.border{ border-color:rgb(80, 164, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 164, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 164, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 164, 181);  
box-shadow:4px 4px 4px 4px rgb(80, 164,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 26.334, 218.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 164, 181) }
```

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

```
.background{ background-color: rgb(80, 164,  
181) }
```

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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