

Converting Colors

CIELCh(64, 24.653, 216.214)

Have a look what the booklet for
CIELCh(64, 24.653, 216.214)
contains.

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Color

CIELCh(64, 24.653, 216.214)

Conversions

Conversions Part 1

Format	Color
Hex	59A6B4
RGB	89, 166, 180
RGB Percent	35%, 65%, 71%
CMY	0.6500, 0.3481, 0.2932
CMYK	0.50, 0.08, 0.00, 0.29
HSL	189°, 38%, 53%
HSV	189°, 50%, 71%
XYZ	26.0871, 32.8017, 48.2666
YIQ	144.5730, -50.3860, -11.9700

Conversions

Conversions Part 2

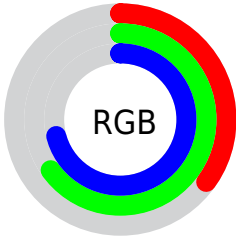
Format	Color
RYB	89, 131, 180
Decimal	5875380
CIELab	64.00, -19.89, -14.57
CIElCh	64, 24.653, 216.214
Yxy	32.8017, 0.2435, 0.3061
Android (android.graphics.Color)	4284065460 (0xFF59A6B4)
YUV	144.5730, 17.4655, -48.7375
Hunter-Lab	57.2727, -18.9224, -9.8757

Details

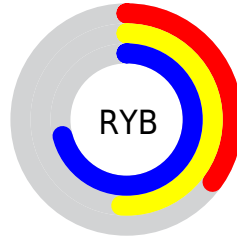
The CIELCh color **64, 24.653, 216.214** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **52, 36.275, 35.990**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 24.628, 216.820**, and **44, 24.623, 215.676** is the 20% darker color. If you saturate the color by 10%, you get **63, 27.848, 217.274**, and if you desaturate by 10%, it is **66, 20.785, 215.444**.

Distribution



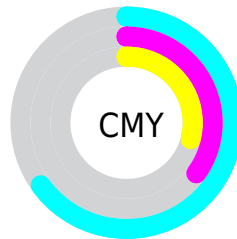
- Red (35%)
- Green (65%)
- Blue (71%)



- Red (35%)
- Yellow (51%)
- Blue (71%)



- Cyan (50%)
- Magenta (8%)
- Yellow (0%)
- Black (29%)



- Cyan (65%)
- Magenta (35%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 24.653, 216.214 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, 24.653, 216.214 by changing the saturation by 10% instead.


 64, 24.653,
216.214

 64, 24.653,
216.214


 100, 24.653,
216.214


 54, 24.653,
216.214


 84, 24.653,
216.214

 44, 24.653,
216.214

 94, 24.653,
216.214

 34, 24.653,
216.214

 24, 24.653,
216.214

 14, 24.653,
216.214

 4, 24.653, 216.214

 0, 24.653, 216.214

64, 24.653,
216.214

64, 24.653,
216.214

63, 27.848,
217.274

66, 20.785,
215.444

61, 30.316,
218.691

67, 16.325,
214.915

60, 32.042,
220.527

69, 11.362,
214.584

59, 33.064,
222.845

71, 5.986, 214.431

58, 33.575,
225.439

73, 0.282, 216.079

75, 5.674, 34.197

78, 11.818, 34.330

80, 18.096, 34.485

83, 24.464, 34.672

Harmonies

Complementary

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



64, 24.653, 216.214



52, 36.275, 35.990

Rectangle

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



64, 24.653, 216.214



64, 24.653, 266.214



64, 24.653, 36.214



64, 24.653, 86.214

Sweetspot

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



64, 24.653, 216.212



89, 10.475, 214.481



66, 53.838, 144.483



47, 7.097, 214.516



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 24.653, 216.212



79, 34.451, 217.470



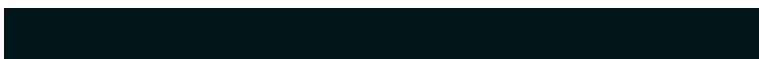
51, 35.232, 279.001



37, 3.219, 214.427



50, 29.760, 225.018



6, 7.655, 221.890

Inverse Universe

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



51, 53.439, 332.082



62, 77.302, 332.823



63, 35.806, 83.104



35, 6.070, 329.493



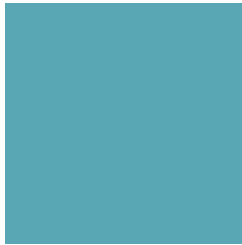
35, 70.104, 335.354



2, 13.919, 331.303

Previews

White Background



This preview shows how the CIELCh color 64, 24.653, 216.214 looks on a white background.

Color Contrast Check

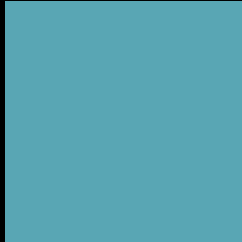
Large Text (above 18pt) WCAG AA × Fail

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, 24.653, 216.214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

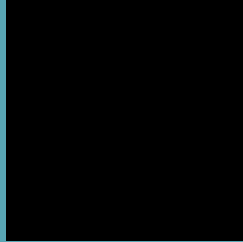
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 24.653, 216.214

Background



This preview shows how black text looks on a background with the CIELCh color 64, 24.653, 216.214.



This preview shows how white text looks on a background with the CIELCh color 64, 24.653, 216.214.

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, 24.653, 216.214

Protanopia

64, 10.614, 289.353

Deuteranopia

64, 18.530, 296.505



Tritanopia
64, 24.653, 216.214

Trichromacy



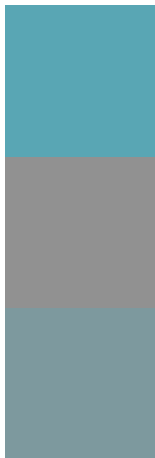
Original Color
64, 24.653, 216.214

Protanomaly
64, 13.582, 243.376

Deuteranomaly
64, 16.709, 259.765

Tritanomaly
64, 24.653, 216.214

Monochromacy



Original Color
64, 24.653, 216.214

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 10.417, 214.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 24.653, 216.214 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(89, 166, 180)` looks like.

```
.text, #text, p{  
    color:rgb(89, 166, 180)  
}
```

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(89, 166, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 166, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 24.653, 216.214 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(89, 166, 180) }
```

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

```
.border{ border-color:rgb(89, 166, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 166, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 166, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 166, 180);  
box-shadow:4px 4px 4px 4px rgb(89, 166,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 24.653, 216.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 166, 180) }
```

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

```
.background{ background-color: rgb(89, 166,  
180) }
```

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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