

Converting Colors

CIELCh(64, 24.909, 209.175)

Have a look what the booklet for
CIELCh(64, 24.909, 209.175)
contains.

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Color

CIELCh(64, 24.909, 209.175)

Conversions

Conversions Part 1

Format	Color
Hex	58A7B0
RGB	88, 167, 176
RGB Percent	35%, 65%, 69%
CMY	0.6553, 0.3455, 0.3102
CMYK	0.50, 0.05, 0.00, 0.31
HSL	186°, 36%, 52%
HSV	186°, 50%, 69%
XYZ	25.6421, 32.8017, 46.0027
YIQ	144.4050, -49.9730, -13.9490

Conversions

Conversions Part 2

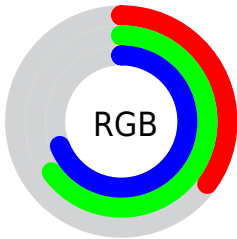
Format	Color
R _Y B	88, 130, 176
Decimal	5810096
CIE Lab	64.00, -21.75, -12.14
CIE LCh	64, 24.909, 209.175
Yxy	32.8017, 0.2455, 0.3141
Android (android.graphics.Color)	4284000176 (0xFF58A7B0)
YUV	144.4050, 15.5763, -49.4672
Hunter-Lab	57.2727, -20.3095, -7.5321

Details

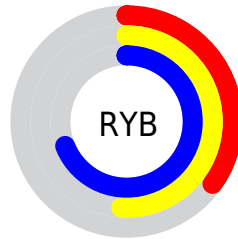
The CIELCh color **64, 24.909, 209.175** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **50, 36.474, 31.927**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 24.818, 210.196**, and **44, 24.896, 209.518** is the 20% darker color. If you saturate the color by 10%, you get **63, 28.153, 209.712**, and if you desaturate by 10%, it is **65, 20.969, 208.837**.

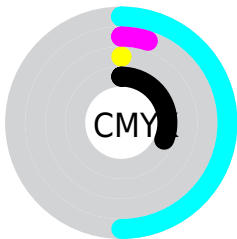
Distribution



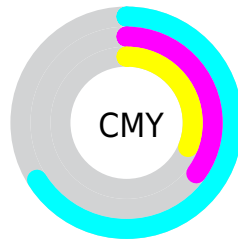
- Red (35%)
- Green (65%)
- Blue (69%)



- Red (35%)
- Yellow (51%)
- Blue (69%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (31%)





- Cyan (66%)
- Magenta (35%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 24.909, 209.175 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, 24.909, 209.175 by changing the saturation by 10% instead.


 64, 24.909,
209.175


 64, 24.909,
209.175


 100, 24.909,
209.175


 54, 24.909,
209.175


 84, 24.909,
209.175

 44, 24.909,
209.175

 94, 24.909,
209.175

 34, 24.909,
209.175

 24, 24.909,
209.175

 14, 24.909,
209.175

 4, 24.909, 209.175

 0, 24.909, 209.175

64, 24.909,
209.175

64, 24.909,
209.175

63, 28.153,
209.712

65, 20.969,
208.837

62, 30.644,
210.491

67, 16.417,
208.670

61, 32.358,
211.549

68, 11.346,
208.646

60, 33.325,
212.924

70, 5.849, 208.759

59, 33.735,
214.572

72, 0.019, 235.935

74, 6.071, 28.970

76, 12.347, 29.288

78, 18.753, 29.614

80, 25.243, 29.960

Harmonies

Complementary

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



64, 24.909, 209.175



50, 36.474, 31.927

Rectangle

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



64, 24.909, 209.175



64, 24.909, 259.175



64, 24.909, 29.175



64, 24.909, 79.175

Sweetspot

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



64, 24.909, 209.173



88, 10.704, 208.680



65, 54.213, 143.078



46, 7.251, 208.662



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, 24.909, 209.173



80, 34.702, 209.780



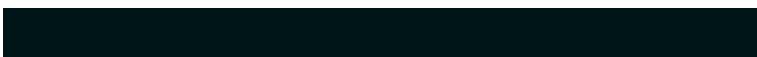
51, 31.949, 274.714



36, 3.270, 208.774



51, 30.096, 214.319



5, 6.846, 213.386

Inverse Universe

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



51, 53.819, 330.216



61, 77.638, 330.819



61, 33.736, 78.785



34, 6.144, 327.845



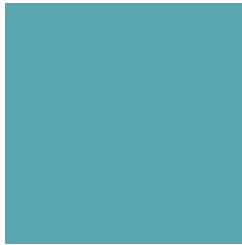
35, 72.045, 332.692



2, 12.526, 328.697

Previews

White Background



This preview shows how the CIELCh color 64, 24.909, 209.175 looks on a white background.

Color Contrast Check

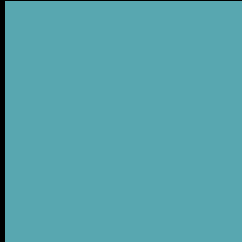
Large Text (above 18pt) WCAG AA × Fail

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, 24.909, 209.175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

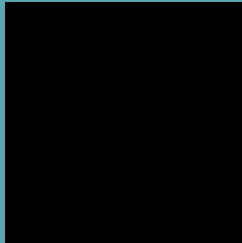
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 24.909, 209.175

Background



This preview shows how black text looks on a background with the CIELCh color 64, 24.909, 209.175.

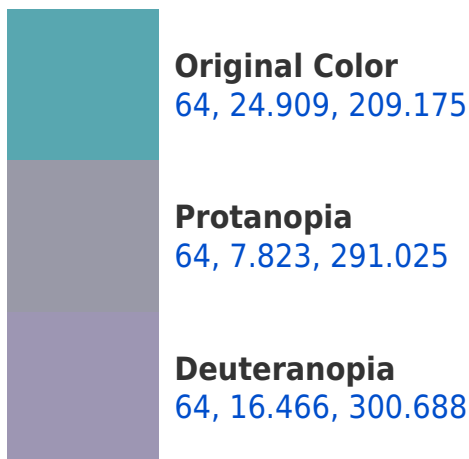



This preview shows how white text looks on a background with the CIELCh color 64, 24.909, 209.175.

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, 24.653, 216.214

Trichromacy



Original Color
64, 24.909, 209.175

Protanomaly
63, 12.022, 232.754

Deuteranomaly
63, 14.588, 256.820

Tritanomaly
64, 24.585, 214.871

Monochromacy



Original Color
64, 24.909, 209.175

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 10.335, 211.201

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 24.909, 209.175 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(88, 167, 176)` looks like.

```
.text, #text, p{  
    color:rgb(88, 167, 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(88, 167, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 167, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 24.909, 209.175 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(88, 167, 176) }
```

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

```
.border{ border-color:rgb(88, 167, 176) }
```

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

Here you see how a box with a 4 pixel rgb(88, 167, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 167, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 167, 176);  
box-shadow:4px 4px 4px 4px rgb(88, 167,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 24.909, 209.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 167, 176) }
```

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

```
.background{ background-color: rgb(88, 167,  
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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