

Converting Colors

CIELCh(64, 26.670, 205.609)

Have a look what the booklet for
CIELCh(64, 26.670, 205.609)
contains.

CIELCh(64, 26.719, 205.748)	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(64, 26.719, 205.748)

Conversions

Conversions Part 1

Format	Color
Hex	51A8AF
RGB	81, 168, 175
RGB Percent	32%, 66%, 69%
CMY	0.6828, 0.3416, 0.3141
CMYK	0.54, 0.04, 0.00, 0.31
HSL	184°, 37%, 50%
HSV	184°, 54%, 69%
XYZ	25.0943, 32.8017, 45.5120
YIQ	142.7850, -54.0990, -16.2670

Conversions

Conversions Part 2

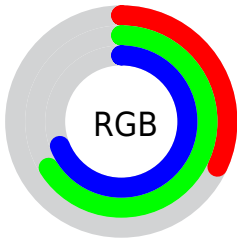
Format	Color
RYB	81, 126, 175
Decimal	5351599
CIELab	64.00, -24.07, -11.61
CIELCh	64, 26.719, 205.748
Yxy	32.8017, 0.2427, 0.3172
Android (android.graphics.Color)	4283541679 (0xFF51A8AF)
YUV	142.7850, 15.8820, -54.1854
Hunter-Lab	57.2727, -22.0168, -7.0241

Details

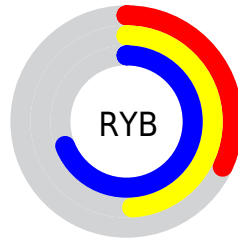
The CIELCh color **64, 26.719, 205.748** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **48, 40.315, 30.487**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 26.569, 206.899**, and **44, 26.755, 205.758** is the 20% darker color. If you saturate the color by 10%, you get **63, 29.746, 206.100**, and if you desaturate by 10%, it is **65, 22.958, 205.561**.

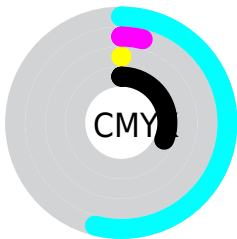
Distribution



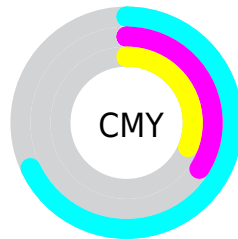
- Red (32%)
- Green (66%)
- Blue (69%)



- Red (32%)
- Yellow (49%)
- Blue (69%)



- Cyan (54%)
- Magenta (4%)
- Yellow (0%)
- Black (31%)



- Cyan (68%)
- Magenta (34%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 26.719, 205.748 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, 26.719, 205.748 by changing the saturation by 10% instead.

 64, 26.719,
205.748

 64, 26.719,
205.748

 100, 26.719,
205.748


 54, 26.719,
205.748


 84, 26.719,
205.748

 44, 26.719,
205.748


 94, 26.719,
205.748

 34, 26.719,
205.748

 24, 26.719,
205.748

 14, 26.719,
205.748

 4, 26.719, 205.748

 0, 26.719, 205.748

64, 26.719,
205.748

64, 26.719,
205.748

63, 29.746,
206.100

65, 22.958,
205.561

62, 31.994,
206.648

66, 18.539,
205.520

62, 33.457,
207.416

68, 13.553,
205.601

61, 34.185,
208.424

69, 8.097, 205.795

61, 34.416,
209.135

71, 2.265, 206.201

73, 3.855, 26.155

74, 10.189, 26.590

76, 16.673, 26.998

78, 23.253, 27.419

Harmonies

Complementary

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



64, 26.719, 205.748



48, 40.315, 30.487

Rectangle

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



64, 26.719, 205.748



64, 26.719, 255.748



64, 26.719, 25.748



64, 26.719, 75.748

Sweetspot

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



64, 26.719, 205.746



87, 11.560, 205.735



64, 58.912, 141.722



46, 7.820, 205.693



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, 26.719, 205.746



80, 36.567, 206.162



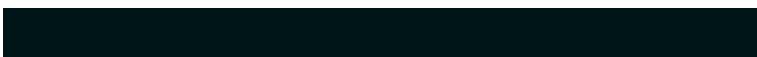
50, 32.654, 272.688



36, 3.351, 205.924



53, 30.832, 208.967



5, 7.054, 209.364

Inverse Universe

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



49, 58.116, 329.482



59, 82.318, 330.036



59, 35.645, 75.181



34, 6.264, 327.008



35, 73.607, 331.381



2, 12.868, 327.493

Previews

White Background



This preview shows how the CIELCh color 64, 26.719, 205.748 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, 26.719, 205.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

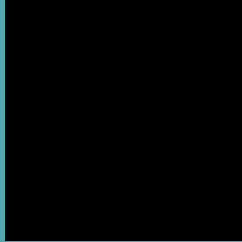
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 26.719, 205.748

Background



This preview shows how black text looks on a background with the CIELCh color 64, 26.719, 205.748.

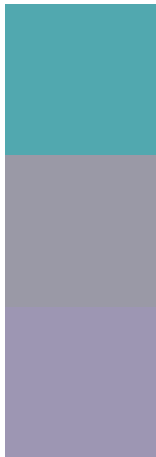


This preview shows how white text looks on a background with the CIELCh color 64, 26.719, 205.748.

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, 26.719, 205.748

Protanopia

64, 7.280, 293.888

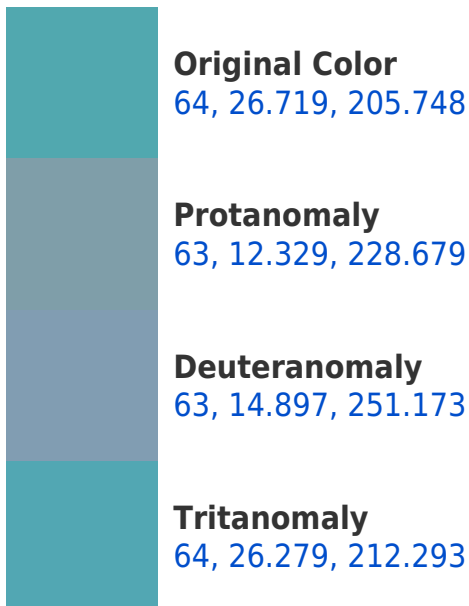
Deuteranopia

64, 16.466, 300.688



Tritanopia
64, 26.160, 214.983

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 26.719, 205.748 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(81, 168, 175)` looks like.

```
.text, #text, p{  
    color:rgb(81, 168, 175)  
}
```

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(81, 168, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 168, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 26.719, 205.748 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(81, 168, 175) }
```

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

```
.border{ border-color:rgb(81, 168, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 168, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(81, 168, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(81, 168, 175); box-shadow:4px 4px 4px 4px rgb(81, 168, 175) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 26.719, 205.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 168, 175) }
```

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

```
.background{ background-color: rgb(81, 168,  
175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor