

Converting Colors

CIELCh(64, 26.404, 197.230)

Have a look what the booklet for
CIELCh(64, 26.404, 197.230)
contains.

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Color

CIELCh(64, 26.297, 197.213)

Conversions

Conversions Part 1

Format	Color
Hex	55A8A8
RGB	85, 168, 168
RGB Percent	33%, 66%, 66%
CMY	0.6663, 0.3408, 0.3408
CMYK	0.49, 0.00, 0.00, 0.34
HSL	180°, 33%, 50%
HSV	180°, 49%, 66%
XYZ	24.8479, 32.8017, 42.1080
YIQ	143.1830, -49.4680, -17.5960

Conversions

Conversions Part 2

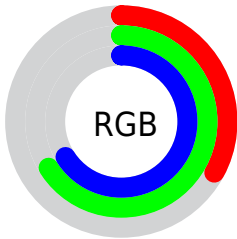
Format	Color
RYB	85, 127, 168
Decimal	5613736
CIELab	64.00, -25.12, -7.78
CIELCh	64, 26.297, 197.213
Yxy	32.8017, 0.2491, 0.3288
Android (android.graphics.Color)	4283803816 (0xFF55A8A8)
YUV	143.1830, 12.2348, -51.0265
Hunter-Lab	57.2727, -22.7846, -3.5002

Details

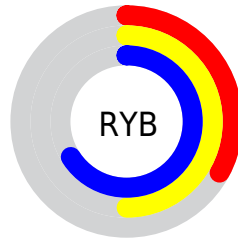
The CIELCh color **64, 26.297, 197.213** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **46, 37.452, 24.848**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 26.109, 197.637**, and **44, 26.455, 196.546** is the 20% darker color. If you saturate the color by 10%, you get **63, 29.857, 196.923**, and if you desaturate by 10%, it is **65, 22.028, 197.562**.

Distribution



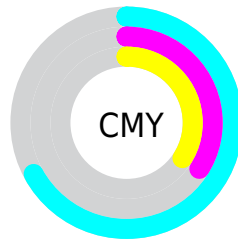
- Red (33%)
- Green (66%)
- Blue (66%)



- Red (33%)
- Yellow (50%)
- Blue (66%)



- Cyan (49%)
- Magenta (0%)
- Yellow (0%)
- Black (34%)



- Cyan (67%)
- Magenta (34%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 26.297, 197.213 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, 26.297, 197.213 by changing the saturation by 10% instead.

 64, 26.297,
197.213


 64, 26.297,
197.213


 100, 26.297,
197.213


 54, 26.297,
197.213


 84, 26.297,
197.213

 44, 26.297,
197.213

 94, 26.297,
197.213

 34, 26.297,
197.213

 24, 26.297,
197.213

 14, 26.297,
197.213

 4, 26.297, 197.213

 0, 26.297, 197.213

64, 26.297,
197.213

64, 26.297,
197.213

63, 29.857,
196.923

65, 22.028,
197.562

63, 32.655,
196.700

66, 17.128,
197.972

63, 34.674,
196.540

67, 11.691,
198.442

63, 35.946,
196.440

68, 5.818, 198.984

62, 36.639,
196.386

69, 0.397, 18.218

62, 36.679,
196.383

70, 6.865, 19.935

72, 13.508, 20.559

74, 20.262, 21.176

75, 27.074, 21.796

Harmonies

Complementary

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



64, 26.297, 197.213



46, 37.452, 24.848

Rectangle

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



64, 26.297, 197.213



64, 26.297, 247.213



64, 26.297, 17.213



64, 26.297, 67.213

Sweetspot

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



64, 26.297, 197.211



85, 11.376, 198.652



62, 54.906, 140.175



45, 7.704, 198.547



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



64, 26.297, 197.211



81, 36.675, 196.905



52, 26.122, 262.627



35, 3.516, 198.989



55, 33.388, 196.383



5, 6.572, 199.419

Inverse Universe

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



46, 37.452, 24.848



55, 57.050, 27.272



56, 30.556, 67.665



33, 3.724, 19.904



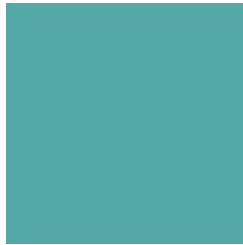
30, 69.026, 39.358



1, 6.572, 19.403

Previews

White Background



This preview shows how the CIELCh color 64, 26.297, 197.213 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, 26.297, 197.213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

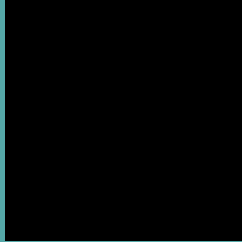
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 26.297, 197.213

Background



This preview shows how black text looks on a background with the CIELCh color 64, 26.297, 197.213.

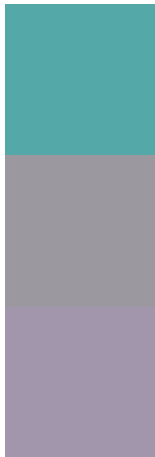


This preview shows how white text looks on a background with the CIELCh color 64, 26.297, 197.213.

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, 26.297, 197.213

Protanopia
64, 3.451, 303.233

Deuteranopia
64, 13.011, 309.633



Tritanopia
64, 24.653, 216.214

Trichromacy



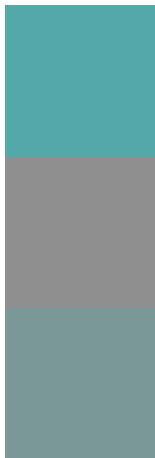
Original Color
64, 26.297, 197.213

Protanomaly
63, 10.286, 211.196

Deuteranomaly
63, 11.355, 242.620

Tritanomaly
64, 24.909, 209.175

Monochromacy



Original Color
64, 26.297, 197.213

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 10.964, 198.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 26.297, 197.213 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(85, 168, 168)` looks like.

```
.text, #text, p{  
    color:rgb(85, 168, 168)  
}
```

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(85, 168, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 168, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 26.297, 197.213 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(85, 168, 168) }
```

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

```
.border{ border-color:rgb(85, 168, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 168, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 168, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 168, 168);  
box-shadow:4px 4px 4px 4px rgb(85, 168,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 26.297, 197.213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 168, 168) }
```

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

```
.background{ background-color: rgb(85, 168,  
168) }
```

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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