

Converting Colors

CIELCh(64, 29.064, 187.037)

Have a look what the booklet for
CIELCh(64, 29.064, 187.037)
contains.

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Color

CIELCh(64, 29.068, 186.921)

Conversions

Conversions Part 1

Format	Color
Hex	50A9A0
RGB	80, 169, 160
RGB Percent	31%, 66%, 63%
CMY	0.6846, 0.3357, 0.3710
CMYK	0.53, 0.00, 0.05, 0.34
HSL	174°, 36%, 49%
HSV	174°, 53%, 66%
XYZ	23.9868, 32.8017, 38.5061
YIQ	141.3630, -50.1550, -21.6670

Conversions

Conversions Part 2

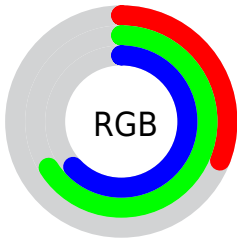
Format	Color
RYB	80, 127, 169
Decimal	5286304
CIELab	64.00, -28.86, -3.50
CIElCh	64, 29.068, 186.921
Yxy	32.8017, 0.2517, 0.3442
Android (android.graphics.Color)	4283476384 (0xFF50A9A0)
YUV	141.3630, 9.1880, -53.8154
Hunter-Lab	57.2727, -25.4686, 0.2286

Details

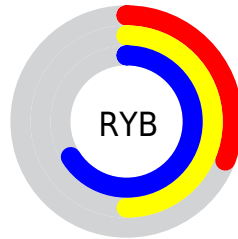
The CIELCh color **64, 29.068, 186.921** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **46, 39.320, 18.105**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 29.225, 186.931**, and **44, 28.836, 187.787** is the 20% darker color. If you saturate the color by 10%, you get **63, 32.859, 186.047**, and if you desaturate by 10%, it is **65, 24.586, 187.753**.

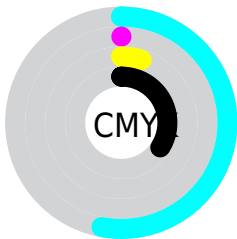
Distribution



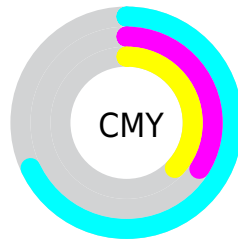
- Red (31%)
- Green (66%)
- Blue (63%)



- Red (31%)
- Yellow (50%)
- Blue (66%)



- Cyan (53%)
- Magenta (0%)
- Yellow (5%)
- Black (34%)





- Cyan (68%)
- Magenta (34%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 29.068, 186.921 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, 29.068, 186.921 by changing the saturation by 10% instead.

 64, 29.068,
186.921


 64, 29.068,
186.921


 100, 29.068,
186.921


 54, 29.068,
186.921


 84, 29.068,
186.921

 44, 29.068,
186.921

 94, 29.068,
186.921

 34, 29.068,
186.921

 24, 29.068,
186.921

 14, 29.068,
186.921

 4, 29.068, 186.921

 0, 29.068, 186.921

■ 64, 29.068,
186.921

■ 64, 29.068,
186.921

■ 63, 32.859,
186.047

■ 65, 24.586,
187.753

■ 63, 35.900,
185.122

■ 66, 19.499,
188.562

■ 63, 38.173,
184.125

■ 67, 13.907,
189.357

■ 62, 39.712,
183.041

■ 68, 7.914, 190.154

■ 62, 40.548,
182.194

■ 69, 1.622, 191.147

■ 70, 4.880, 11.510

■ 72, 11.513, 12.309

■ 74, 18.216, 13.057

■ 75, 24.935, 13.787

Harmonies

Complementary

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



64, 29.068, 186.921



46, 39.320, 18.105

Rectangle

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



64, 29.068, 186.921



64, 29.068, 236.921



64, 29.068, 6.921



64, 29.068, 56.921

Sweetspot

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



64, 29.068, 186.919



85, 12.374, 189.852



63, 56.831, 137.757



45, 8.304, 189.696



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, 29.068, 186.919



80, 40.482, 185.904



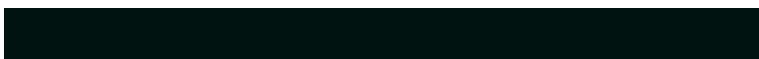
54, 25.035, 250.684



35, 3.580, 190.422



55, 36.653, 182.336



5, 6.720, 188.102

Inverse Universe

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



46, 39.320, 18.105



54, 58.946, 21.184



53, 32.790, 57.218



33, 3.751, 11.735



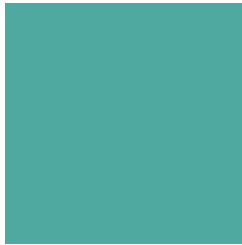
30, 65.390, 34.946



1, 6.636, 12.194

Previews

White Background



This preview shows how the CIELCh color 64, 29.068, 186.921 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, 29.068, 186.921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

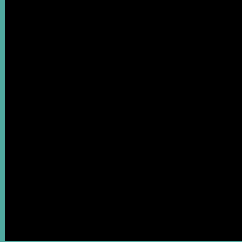
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 29.068, 186.921

Background



This preview shows how black text looks on a background with the CIELCh color 64, 29.068, 186.921.

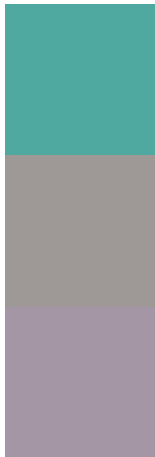


This preview shows how white text looks on a background with the CIELCh color 64, 29.068, 186.921.

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, 29.068, 186.921

Protanopia

64, 2.226, 49.339

Deuteranopia

64, 9.955, 323.071



Tritanopia
64, 25.089, 215.847

Trichromacy



Original Color
64, 29.068, 186.921



Protanomaly
63, 11.128, 183.844



Deuteranomaly
63, 8.900, 220.993



Tritanomaly
64, 25.634, 204.906

Monochromacy



Original Color
64, 29.068, 186.921



Achromatopsia
59, 0.008, 296.813



Achromatomaly
60, 11.917, 190.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 29.068, 186.921 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, 169, 160)` looks like.

```
.text, #text, p{  
    color:rgb(80, 169, 160)  
}
```

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, 169, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 169, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 29.068, 186.921 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, 169, 160) }
```

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

```
.border{ border-color:rgb(80, 169, 160) }
```

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

Here you see how a box with a 4 pixel rgb(80, 169, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 169, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 169, 160);  
box-shadow:4px 4px 4px 4px rgb(80, 169,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 29.068, 186.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 169, 160) }
```

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

```
.background{ background-color: rgb(80, 169,  
160) }
```

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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