

Converting Colors

CIELCh(68, 29.797, 186.275)

Have a look what the booklet for
CIELCh(68, 29.797, 186.275)
contains.

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Color

CIELCh(68, 29.797, 186.275)

Conversions

Conversions Part 1

Format	Color
Hex	5AB5AB
RGB	90, 181, 171
RGB Percent	35%, 71%, 67%
CMY	0.6486, 0.2917, 0.3309
CMYK	0.50, 0.00, 0.06, 0.29
HSL	173°, 38%, 53%
HSV	173°, 50%, 71%
XYZ	27.9389, 37.9720, 44.1975
YIQ	152.6510, -51.0260, -22.4020

Conversions

Conversions Part 2

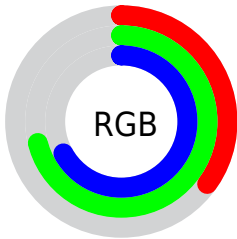
Format	Color
RYB	90, 138, 181
Decimal	5944747
CIELab	68.00, -29.62, -3.26
CIElCh	68, 29.797, 186.275
Yxy	37.9720, 0.2537, 0.3449
Android (android.graphics.Color)	4284134827 (0xFF5AB5AB)
YUV	152.6510, 9.0461, -54.9449
Hunter-Lab	61.6215, -26.9064, 0.6097

Details

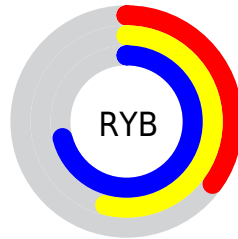
The CIELCh color **68, 29.797, 186.275** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **49, 39.566, 17.034**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 29.841, 186.263**, and **48, 29.975, 186.050** is the 20% darker color. If you saturate the color by 10%, you get **67, 33.981, 185.366**, and if you desaturate by 10%, it is **69, 24.902, 187.138**.

Distribution



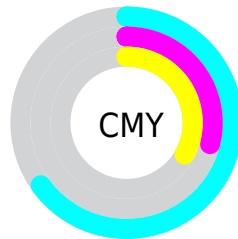
- Red (35%)
- Green (71%)
- Blue (67%)



- Red (35%)
- Yellow (54%)
- Blue (71%)



- Cyan (50%)
- Magenta (0%)
- Yellow (6%)
- Black (29%)





- Cyan (65%)
- Magenta (29%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 29.797, 186.275 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 68, 29.797, 186.275 by changing the saturation by 10% instead.

 68, 29.797,
186.275


 68, 29.797,
186.275


 100, 29.797,
186.275


 58, 29.797,
186.275


 88, 29.797,
186.275

 48, 29.797,
186.275

 98, 29.797,
186.275

 38, 29.797,
186.275

 28, 29.797,
186.275

 18, 29.797,
186.275

 8, 29.797, 186.275

 0, 29.797, 186.275

68, 29.797,
186.275

68, 29.797,
186.275

67, 33.981,
185.366

69, 24.902,
187.138

67, 37.383,
184.401

70, 19.392,
187.973

66, 39.975,
183.358

71, 13.375,
188.792

66, 41.780,
182.221

72, 6.964, 189.616

66, 42.958,
181.053

73, 0.264, 192.198

75, 6.634, 11.012

77, 13.650, 11.804

78, 20.719, 12.558

80, 27.791, 13.293

Harmonies

Complementary

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



68, 29.797, 186.275



49, 39.566, 17.034

Rectangle

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



68, 29.797, 186.275



68, 29.797, 236.275



68, 29.797, 6.275



68, 29.797, 56.275

Sweetspot

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



68, 29.797, 186.273



90, 12.314, 189.211



67, 57.620, 137.913



48, 8.356, 189.042



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 29.797, 186.273



85, 41.616, 185.308



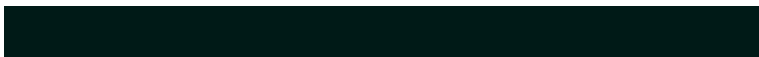
58, 25.435, 250.183



37, 3.767, 189.708



57, 37.947, 181.230



7, 9.433, 186.229

Inverse Universe

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



49, 39.566, 17.034



59, 59.037, 19.719



57, 32.944, 57.363



35, 3.945, 11.061



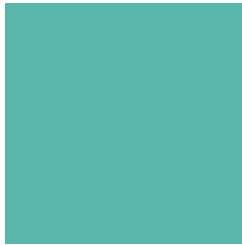
31, 66.784, 34.613



2, 9.240, 12.386

Previews

White Background



This preview shows how the CIE LCh color 68, 29.797, 186.275 looks on a white background.

Color Contrast Check

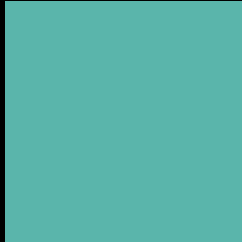
Large Text (above 18pt) WCAG AA × Fail

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 68, 29.797, 186.275 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

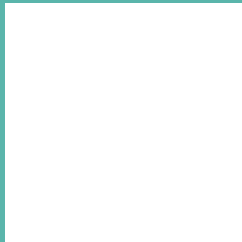
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 29.797, 186.275

Background



This preview shows how black text looks on a background with the CIELCh color 68, 29.797, 186.275.

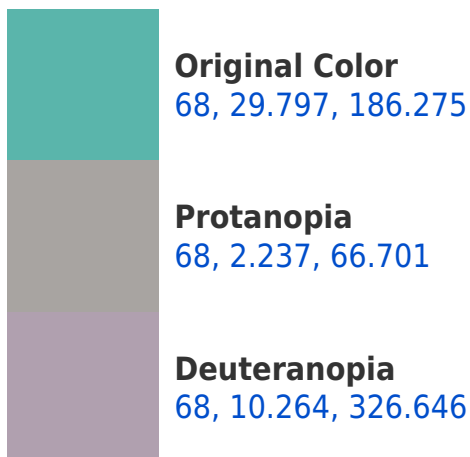


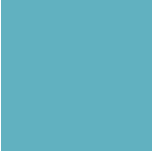
This preview shows how white text looks on a background with the CIELCh color 68, 29.797, 186.275.

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
68, 25.488, 216.708

Trichromacy



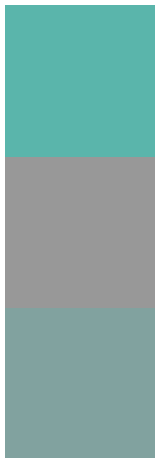
Original Color
68, 29.797, 186.275

Protanomaly
67, 11.688, 184.729

Deuteranomaly
67, 8.508, 221.847

Tritanomaly
68, 26.205, 204.696

Monochromacy



Original Color
68, 29.797, 186.275

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 12.152, 190.416

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 29.797, 186.275 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(90, 181, 171)` looks like.

```
.text, #text, p{  
    color:rgb(90, 181, 171)  
}
```

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(90, 181, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 181, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 29.797, 186.275 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(90, 181, 171) }
```

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

```
.border{ border-color:rgb(90, 181, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 181, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 181, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 181, 171);  
box-shadow:4px 4px 4px 4px rgb(90, 181,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 29.797, 186.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 181, 171) }
```

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

```
.background{ background-color: rgb(90, 181,  
171) }
```

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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