

Converting Colors

CIELCh(66, 30.915, 198.176)

Have a look what the booklet for
CIELCh(66, 30.915, 198.176)
contains.

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Color

CIELCh(66, 30.799, 199.026)

Conversions

Conversions Part 1

Format	Color
Hex	46AFB1
RGB	70, 175, 177
RGB Percent	27%, 69%, 69%
CMY	0.7237, 0.3122, 0.3043
CMYK	0.60, 0.01, 0.00, 0.30
HSL	181°, 43%, 49%
HSV	181°, 60%, 70%
XYZ	25.9416, 35.3238, 47.2517
YIQ	143.8330, -63.2220, -21.6380

Conversions

Conversions Part 2

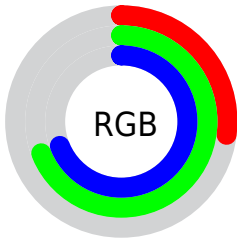
Format	Color
RYB	70, 123, 177
Decimal	4632497
CIELab	66.00, -29.12, -10.04
CIELCh	66, 30.799, 199.026
Yxy	35.3238, 0.2391, 0.3255
Android (android.graphics.Color)	4282822577 (0xFF46AFB1)
YUV	143.8330, 16.3513, -64.7515
Hunter-Lab	59.4338, -26.0977, -5.5336

Details

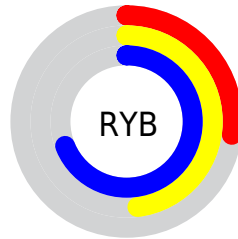
The CIELCh color **66, 30.799, 199.026** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **45, 48.473, 28.392**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 30.731, 199.371**, and **46, 28.742, 198.838** is the 20% darker color. If you saturate the color by 10%, you get **65, 33.542, 198.964**, and if you desaturate by 10%, it is **67, 27.256, 199.176**.

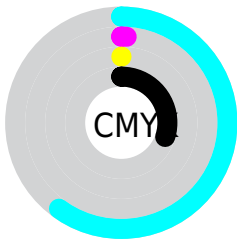
Distribution



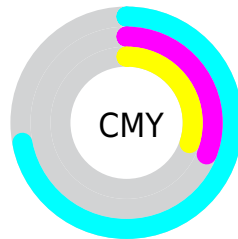
- Red (27%)
- Green (69%)
- Blue (69%)



- Red (27%)
- Yellow (48%)
- Blue (69%)



- Cyan (60%)
- Magenta (1%)
- Yellow (0%)
- Black (30%)





- Cyan (72%)
- Magenta (31%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 30.799, 199.026 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 66, 30.799, 199.026 by changing the saturation by 10% instead.

 66, 30.799,
199.026


 66, 30.799,
199.026


 100, 30.799,
199.026


 56, 30.799,
199.026


 86, 30.799,
199.026

 46, 30.799,
199.026

 96, 30.799,
199.026

 36, 30.799,
199.026

 26, 30.799,
199.026

 16, 30.799,
199.026

 6, 30.799, 199.026

 0, 30.799, 199.026

66, 30.799,
199.026

66, 30.799,
199.026

65, 33.542,
198.964

67, 27.256,
199.176

65, 35.471,
198.998

68, 22.969,
199.413

65, 36.622,
199.128

69, 18.018,
199.727

65, 37.182,
199.327

70, 12.501,
200.113

71, 6.521, 200.579

72, 0.178, 203.816

74, 6.436, 21.409

76, 13.242, 21.988

77, 20.173, 22.558

Harmonies

Complementary

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



66, 30.799, 199.026



45, 48.473, 28.392

Rectangle

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



66, 30.799, 199.026



66, 30.799, 249.026



66, 30.799, 19.026



66, 30.799, 69.026

Sweetspot

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



66, 30.799, 199.024



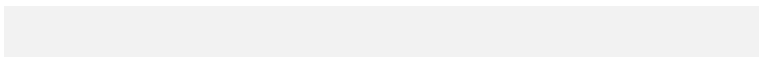
88, 13.767, 200.198



64, 67.941, 139.671



46, 9.471, 200.076



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



66, 30.799, 199.024



83, 41.456, 198.964



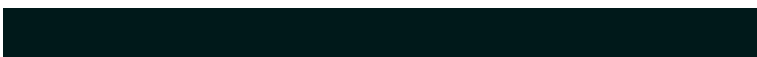
50, 34.469, 269.658



37, 3.621, 200.630



56, 33.350, 199.292



7, 8.877, 201.576

Inverse Universe

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



48, 67.072, 327.997



58, 93.342, 328.447



57, 40.162, 69.511



35, 6.666, 325.427



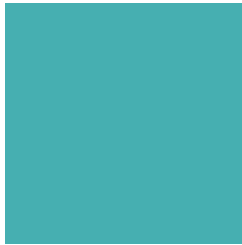
36, 77.799, 328.976



3, 15.948, 325.210

Previews

White Background



This preview shows how the CIE LCh color 66, 30.799, 199.026 looks on a white background.

Color Contrast Check

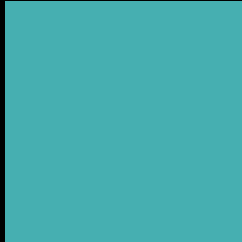
Large Text (above 18pt) WCAG AA × Fail

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 66, 30.799, 199.026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

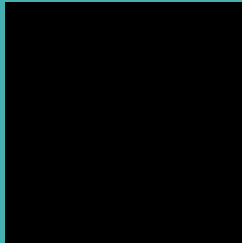
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

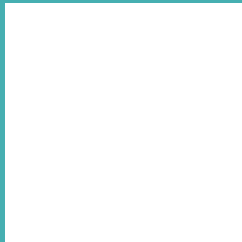
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 30.799, 199.026

Background



This preview shows how black text looks on a background with the CIELCh color 66, 30.799, 199.026.

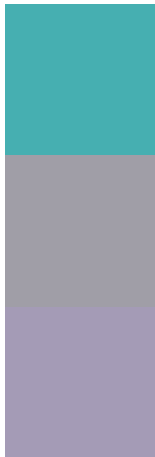


This preview shows how white text looks on a background with the CIELCh color 66, 30.799, 199.026.

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

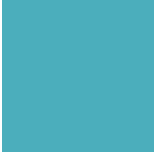
66, 30.799, 199.026

Protanopia

66, 5.068, 299.196

Deuteranopia

66, 15.416, 303.897



Tritanopia
66, 29.209, 212.812

Trichromacy



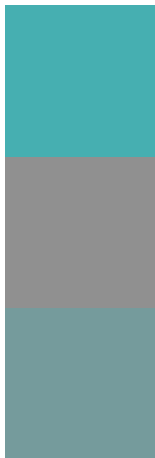
Original Color
66, 30.799, 199.026

Protanomaly
65, 13.395, 215.374

Deuteranomaly
65, 14.578, 242.345

Tritanomaly
66, 29.787, 206.850

Monochromacy



Original Color
66, 30.799, 199.026

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 13.576, 200.605

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 30.799, 199.026 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(70, 175, 177)` looks like.

```
.text, #text, p{  
    color:rgb(70, 175, 177)  
}
```

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(70, 175, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 175, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 30.799, 199.026 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(70, 175, 177) }
```

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

```
.border{ border-color:rgb(70, 175, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 175, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 175, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 175, 177);  
box-shadow:4px 4px 4px 4px rgb(70, 175,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 30.799, 199.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 175, 177) }
```

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

```
.background{ background-color: rgb(70, 175,  
177) }
```

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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