

Converting Colors

CIELCh(66, 29.104, 196.412)

Have a look what the booklet for
CIELCh(66, 29.104, 196.412)
contains.

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Color

CIELCh(66, 29.167, 195.943)

Conversions

Conversions Part 1

Format	Color
Hex	50AFAE
RGB	80, 175, 174
RGB Percent	31%, 69%, 68%
CMY	0.6871, 0.3145, 0.3184
CMYK	0.54, 0.00, 0.01, 0.31
HSL	179°, 37%, 50%
HSV	179°, 54%, 69%
XYZ	26.1995, 35.3238, 45.3777
YIQ	146.4810, -56.2990, -20.4510

Conversions

Conversions Part 2

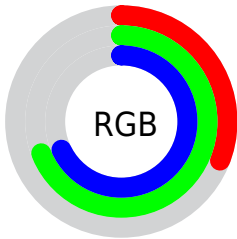
Format	Color
RYB	80, 128, 175
Decimal	5287854
CIELab	66.00, -28.05, -8.01
CIElCh	66, 29.167, 195.943
Yxy	35.3238, 0.2451, 0.3304
Android (android.graphics.Color)	4283477934 (0xFF50AFAE)
YUV	146.4810, 13.5669, -58.3038
Hunter-Lab	59.4338, -25.3231, -3.6642

Details

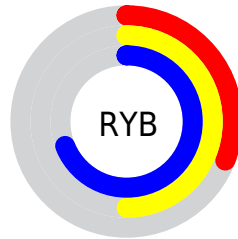
The CIELCh color **66, 29.167, 195.943** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **46, 42.986, 25.194**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 29.124, 195.393**, and **46, 29.042, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **65, 32.480, 195.610**, and if you desaturate by 10%, it is **67, 25.091, 196.325**.

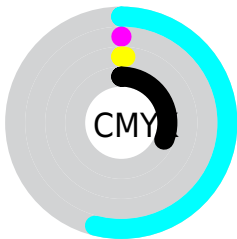
Distribution



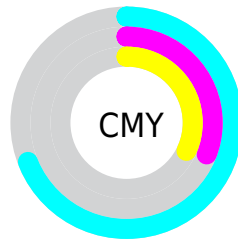
- Red (31%)
- Green (69%)
- Blue (68%)



- Red (31%)
- Yellow (50%)
- Blue (69%)



- Cyan (54%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)




- Cyan (69%)
- Magenta (31%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 29.167, 195.943 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, 29.167, 195.943 by changing the saturation by 10% instead.


 66, 29.167,
195.943


 66, 29.167,
195.943


 100, 29.167,
195.943


 56, 29.167,
195.943


 86, 29.167,
195.943

 46, 29.167,
195.943

 96, 29.167,
195.943

 36, 29.167,
195.943

 26, 29.167,
195.943

 16, 29.167,
195.943

 6, 29.167, 195.943

 0, 29.167, 195.943

66, 29.167,
195.943

66, 29.167,
195.943

65, 32.480,
195.610

67, 25.091,
196.325

65, 34.990,
195.328

67, 20.322,
196.759

65, 36.705,
195.092

68, 14.954,
197.244

65, 37.680,
194.893

70, 9.087, 197.782

65, 38.047,
194.791

71, 2.826, 198.456

72, 3.733, 18.726

74, 10.506, 19.415

75, 17.418, 20.051

77, 24.409, 20.687

Harmonies

Complementary

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



66, 29.167, 195.943



46, 42.986, 25.194

Rectangle

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



66, 29.167, 195.943



66, 29.167, 245.943



66, 29.167, 15.943



66, 29.167, 65.943

Sweetspot

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



66, 29.167, 195.941



88, 12.455, 197.674



64, 61.801, 139.636



47, 8.427, 197.563



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, 29.167, 195.941



83, 40.089, 195.556



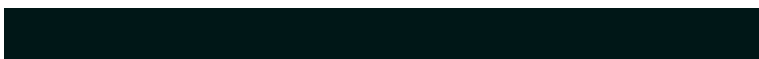
52, 29.522, 264.086



36, 3.606, 198.086



56, 34.065, 194.810



6, 7.806, 198.122

Inverse Universe

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



46, 42.986, 25.194



55, 65.014, 28.292



57, 35.139, 67.039



34, 3.817, 19.057



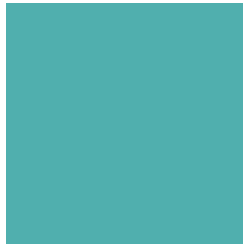
31, 69.596, 39.028



2, 7.803, 18.690

Previews

White Background



This preview shows how the CIE LCh color 66, 29.167, 195.943 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, 29.167, 195.943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

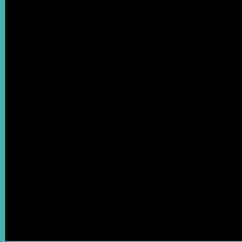
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

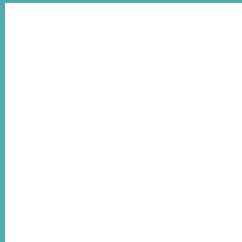
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 29.167, 195.943

Background



This preview shows how black text looks on a background with the CIELCh color 66, 29.167, 195.943.

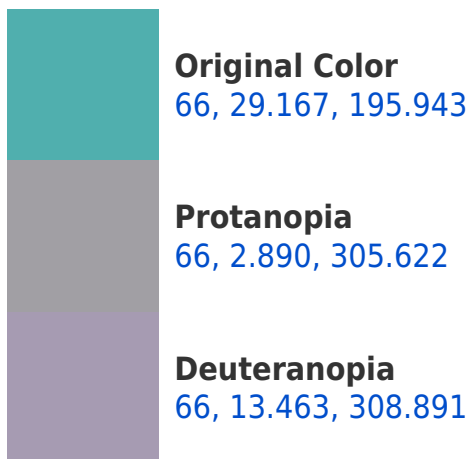


This preview shows how white text looks on a background with the CIELCh color 66, 29.167, 195.943.

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
66, 27.075, 214.233

Trichromacy



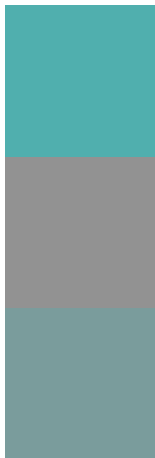
Original Color
66, 29.167, 195.943

Protanomaly
65, 12.164, 206.333

Deuteranomaly
65, 12.050, 239.215

Tritanomaly
66, 27.639, 206.579

Monochromacy



Original Color
66, 29.167, 195.943

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 12.285, 198.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 29.167, 195.943 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, 175, 174)` looks like.

```
.text, #text, p{  
    color:rgb(80, 175, 174)  
}
```

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, 175, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 175, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 29.167, 195.943 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, 175, 174) }
```

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

```
.border{ border-color:rgb(80, 175, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 175, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 175, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 175, 174);  
box-shadow:4px 4px 4px 4px rgb(80, 175,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 29.167, 195.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 175, 174) }
```

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

```
.background{ background-color: rgb(80, 175,  
174) }
```

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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