

Converting Colors

CIELCh(66, 29.602, 211.898)

Have a look what the booklet for
CIELCh(66, 29.602, 211.898)
contains.

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Color

CIELCh(66, 29.547, 211.463)

Conversions

Conversions Part 1

Format	Color
Hex	49AEBB
RGB	73, 174, 187
RGB Percent	29%, 68%, 73%
CMY	0.7133, 0.3172, 0.2663
CMYK	0.61, 0.07, 0.00, 0.27
HSL	187°, 46%, 51%
HSV	187°, 61%, 73%
XYZ	26.8921, 35.3238, 52.4710
YIQ	145.2830, -64.3690, -17.3690

Conversions

Conversions Part 2

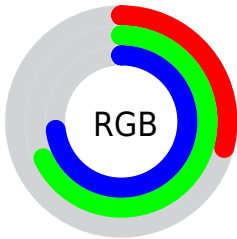
Format	Color
RYB	73, 127, 187
Decimal	4828859
CIELab	66.00, -25.20, -15.42
CIElCh	66, 29.547, 211.463
Yxy	35.3238, 0.2345, 0.3080
Android (android.graphics.Color)	4283018939 (0xFF49AE8B)
YUV	145.2830, 20.5665, -63.3922
Hunter-Lab	59.4338, -23.2432, -10.7403

Details

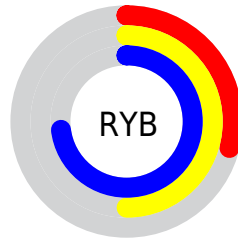
The CIELCh color **66, 29.547, 211.463** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **49, 48.095, 34.350**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 29.539, 211.068**, and **46, 27.795, 213.091** is the 20% darker color. If you saturate the color by 10%, you get **65, 32.053, 212.415**, and if you desaturate by 10%, it is **67, 26.248, 210.780**.

Distribution



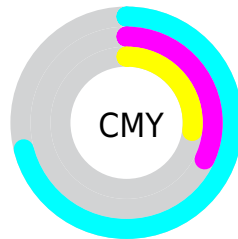
- Red (29%)
- Green (68%)
- Blue (73%)



- Red (29%)
- Yellow (50%)
- Blue (73%)



- Cyan (61%)
- Magenta (7%)
- Yellow (0%)
- Black (27%)



- Cyan (71%)
- Magenta (32%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 29.547, 211.463 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, 29.547, 211.463 by changing the saturation by 10% instead.

 66, 29.547,
211.463

 66, 29.547,
211.463

 100, 29.547,
211.463


 56, 29.547,
211.463


 86, 29.547,
211.463

 46, 29.547,
211.463

 96, 29.547,
211.463

 36, 29.547,
211.463

 26, 29.547,
211.463

 16, 29.547,
211.463

 6, 29.547, 211.463

 0, 29.547, 211.463

66, 29.547,
211.463

66, 29.547,
211.463

65, 32.053,
212.415

67, 26.248,
210.780

64, 33.749,
213.687

69, 22.216,
210.328

63, 34.675,
215.319

70, 17.535,
210.065

62, 35.028,
217.075

72, 12.302,
209.960

74, 6.616, 210.001

76, 0.572, 210.946

78, 5.748, 30.103

80, 12.270, 30.383

82, 18.934, 30.671

Harmonies

Complementary

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



66, 29.547, 211.463



49, 48.095, 34.350

Rectangle

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



66, 29.547, 211.463



66, 29.547, 261.463



66, 29.547, 31.463



66, 29.547, 81.463

Sweetspot

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



66, 29.546, 211.462



91, 13.167, 209.956



68, 67.880, 141.702



48, 9.137, 209.961



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



66, 29.546, 211.462



82, 39.688, 212.792



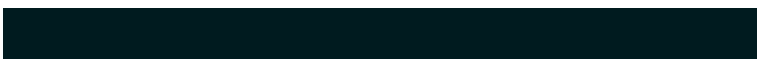
50, 41.077, 277.954



39, 3.472, 210.024



53, 30.953, 216.778



8, 10.074, 213.385

Inverse Universe

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



50, 66.212, 331.254



60, 92.023, 331.979



62, 43.608, 77.161



37, 6.536, 328.216



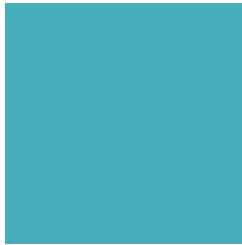
36, 74.011, 333.296



3, 19.200, 329.898

Previews

White Background



This preview shows how the CIELCh color 66, 29.547, 211.463 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, 29.547, 211.463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

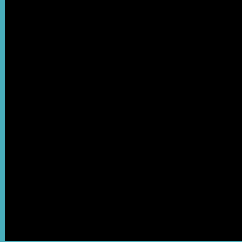
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

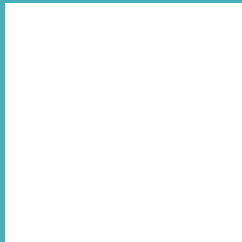
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 29.547, 211.463

Background



This preview shows how black text looks on a background with the CIELCh color 66, 29.547, 211.463.



This preview shows how white text looks on a background with the CIELCh color 66, 29.547, 211.463.

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, 29.547, 211.463

Protanopia
66, 10.552, 289.318

Deuteranopia
66, 19.501, 295.273



Tritanopia
66, 29.388, 212.702

Trichromacy



Original Color
66, 29.547, 211.463



Protanomaly
65, 15.682, 235.802



Deuteranomaly
65, 18.578, 253.016



Tritanomaly
66, 29.388, 212.702

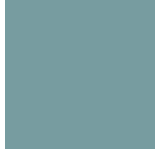
Monochromacy



Original Color
66, 29.547, 211.463



Achromatopsia
60, 0.008, 296.813



Achromatomaly
62, 13.245, 208.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 29.547, 211.463 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(73, 174, 187)` looks like.

```
.text, #text, p{  
    color:rgb(73, 174, 187)  
}
```

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(73, 174, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 174, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 29.547, 211.463 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(73, 174, 187) }
```

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

```
.border{ border-color:rgb(73, 174, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 174, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 174, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 174, 187);  
box-shadow:4px 4px 4px 4px rgb(73, 174,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 29.547, 211.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 174, 187) }
```

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

```
.background{ background-color: rgb(73, 174,  
187) }
```

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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