

Converting Colors

CIELCh(66, 27.852, 213.708)

Have a look what the booklet for
CIELCh(66, 27.852, 213.708)
contains.

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Color

CIELCh(66, 27.872, 213.683)

Conversions

Conversions Part 1

Format	Color
Hex	51ADBB
RGB	81, 173, 187
RGB Percent	32%, 68%, 73%
CMY	0.6814, 0.3207, 0.2658
CMYK	0.57, 0.07, 0.00, 0.27
HSL	188°, 44%, 53%
HSV	188°, 57%, 73%
XYZ	27.3891, 35.3238, 52.5069
YIQ	147.0880, -59.3260, -15.1500

Conversions

Conversions Part 2

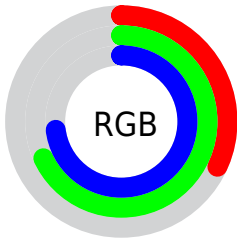
Format	Color
RYB	81, 130, 187
Decimal	5352891
CIELab	66.00, -23.19, -15.46
CIELCh	66, 27.872, 213.683
Yxy	35.3238, 0.2377, 0.3066
Android (android.graphics.Color)	4283542971 (0xFF51ADBB)
YUV	147.0880, 19.6766, -57.9592
Hunter-Lab	59.4338, -21.7503, -10.7761

Details

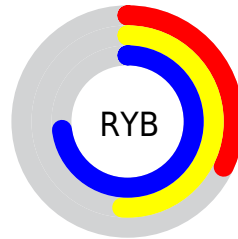
The CIELCh color **66, 27.872, 213.683** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **51, 43.555, 34.993**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 27.949, 213.087**, and **46, 27.639, 214.547** is the 20% darker color. If you saturate the color by 10%, you get **65, 30.705, 214.713**, and if you desaturate by 10%, it is **67, 24.282, 212.938**.

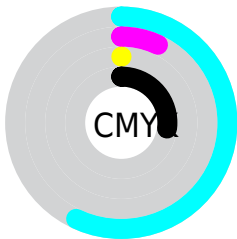
Distribution



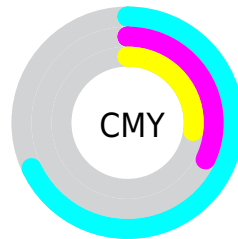
- Red (32%)
- Green (68%)
- Blue (73%)



- Red (32%)
- Yellow (51%)
- Blue (73%)



- Cyan (57%)
- Magenta (7%)
- Yellow (0%)
- Black (27%)




- Cyan (68%)
- Magenta (32%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 27.872, 213.683 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, 27.872, 213.683 by changing the saturation by 10% instead.


 66, 27.872,
213.683


 66, 27.872,
213.683


 100, 27.872,
213.683


 56, 27.872,
213.683


 86, 27.872,
213.683

 46, 27.872,
213.683

 96, 27.872,
213.683

 36, 27.872,
213.683

 26, 27.872,
213.683

 16, 27.872,
213.683

 6, 27.872, 213.683

 0, 27.872, 213.683

66, 27.872,
213.683

66, 27.872,
213.683

65, 30.705,
214.713

67, 24.282,
212.938

64, 32.747,
216.089

69, 20.006,
212.435

63, 34.012,
217.863

71, 15.135,
212.128

62, 34.591,
220.067

73, 9.765, 211.986

61, 34.727,
220.859

75, 3.993, 212.026

77, 2.095, 31.700

79, 8.422, 32.021

81, 14.923, 32.236

84, 21.543, 32.476

Harmonies

Complementary

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



66, 27.872, 213.683



51, 43.555, 34.993

Rectangle

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



66, 27.872, 213.683



66, 27.872, 263.683



66, 27.872, 33.683



66, 27.872, 83.683

Sweetspot

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



66, 27.872, 213.681



91, 12.300, 211.991



68, 63.020, 142.722



49, 8.242, 212.009



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, 27.872, 213.681



82, 37.964, 215.021



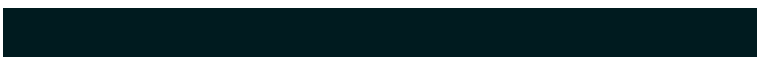
51, 39.044, 278.056



39, 3.423, 211.988



52, 30.667, 220.504



8, 9.891, 216.543

Inverse Universe

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



51, 61.691, 331.667



61, 86.986, 332.411



63, 40.761, 79.296



37, 6.454, 328.788



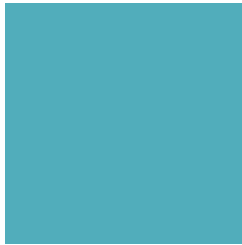
36, 72.991, 334.218



3, 18.857, 330.732

Previews

White Background



This preview shows how the CIELCh color 66, 27.872, 213.683 looks on a white background.

Color Contrast Check

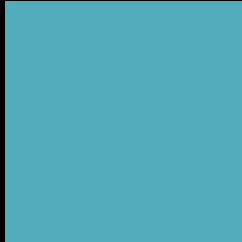
Large Text (above 18pt) WCAG AA × Fail

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, 27.872, 213.683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

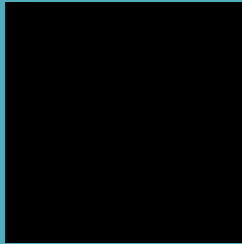
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

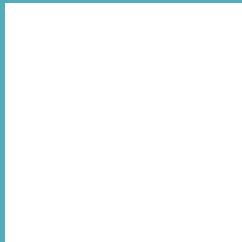
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 27.872, 213.683

Background



This preview shows how black text looks on a background with the CIELCh color 66, 27.872, 213.683.

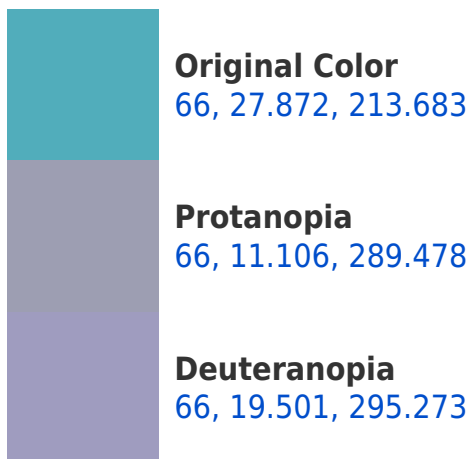



This preview shows how white text looks on a background with the CIELCh color 66, 27.872, 213.683.

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, 27.872, 213.683

Trichromacy



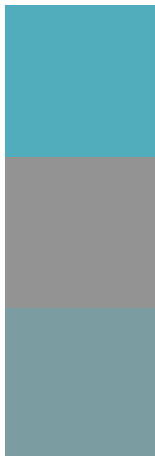
Original Color
66, 27.872, 213.683

Protanomaly
65, 14.948, 238.016

Deuteranomaly
65, 18.331, 257.406

Tritanomaly
66, 27.872, 213.683

Monochromacy



Original Color
66, 27.872, 213.683

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 12.329, 211.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 27.872, 213.683 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(81, 173, 187)` looks like.

```
.text, #text, p{  
    color:rgb(81, 173, 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(81, 173, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 173, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 27.872, 213.683 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(81, 173, 187) }
```

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

```
.border{ border-color:rgb(81, 173, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 173, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 173, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 173, 187);  
box-shadow:4px 4px 4px 4px rgb(81, 173,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 27.872, 213.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 173, 187) }
```

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

```
.background{ background-color: rgb(81, 173,  
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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