

Converting Colors

CIELCh(66, 33.240, 171.868)

Have a look what the booklet for
CIELCh(66, 33.240, 171.868)
contains.

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Color

CIELCh(66, 33.197, 171.941)

Conversions

Conversions Part 1

Format	Color
Hex	57B097
RGB	87, 176, 151
RGB Percent	34%, 69%, 59%
CMY	0.6587, 0.3097, 0.4077
CMYK	0.51, 0.00, 0.14, 0.31
HSL	163°, 36%, 52%
HSV	163°, 51%, 69%
XYZ	25.0515, 35.3238, 34.7870
YIQ	146.5390, -45.0190, -26.6430

Conversions

Conversions Part 2

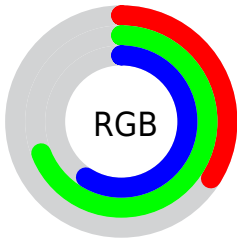
Format	Color
RYB	87, 139, 176
Decimal	5746839
CIELab	66.00, -32.87, 4.65
CIElCh	66, 33.197, 171.941
Yxy	35.3238, 0.2633, 0.3712
Android (android.graphics.Color)	4283936919 (0xFF57B097)
YUV	146.5390, 2.1993, -52.2157
Hunter-Lab	59.4338, -28.7710, 6.9009

Details

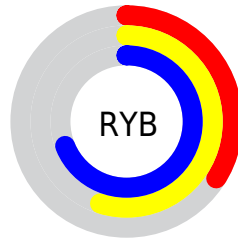
The CIELCh color **66, 33.197, 171.941** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **49, 39.013, 4.084**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 33.098, 171.771**, and **46, 33.402, 171.674** is the 20% darker color. If you saturate the color by 10%, you get **65, 38.406, 170.558**, and if you desaturate by 10%, it is **67, 27.389, 173.190**.

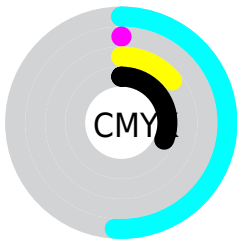
Distribution



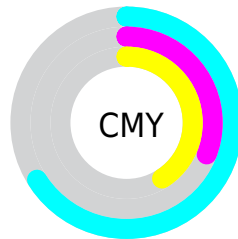
- Red (34%)
- Green (69%)
- Blue (59%)



- Red (34%)
- Yellow (55%)
- Blue (69%)



- Cyan (51%)
- Magenta (0%)
- Yellow (14%)
- Black (31%)





- Cyan (66%)
- Magenta (31%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 33.197, 171.941 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, 33.197, 171.941 by changing the saturation by 10% instead.


 66, 33.197,
171.941


 66, 33.197,
171.941


 100, 33.197,
171.941


 56, 33.197,
171.941


 86, 33.197,
171.941

 46, 33.197,
171.941

 96, 33.197,
171.941

 36, 33.197,
171.941

 26, 33.197,
171.941

 16, 33.197,
171.941

 6, 33.197, 171.941

 0, 33.197, 171.941

66, 33.197,
171.941

66, 33.197,
171.941

65, 38.406,
170.558

67, 27.389,
173.190

65, 42.927,
169.020

68, 21.090,
174.333

64, 46.712,
167.305

69, 14.418,
175.390

64, 49.766,
165.399

70, 7.486, 176.392

64, 52.153,
163.488

72, 0.396, 178.358

73, 6.768, 358.039

75, 13.935,
358.889

77, 21.051,
359.678

Harmonies

Complementary

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



66, 33.197, 171.941



49, 39.013, 4.084

Rectangle

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



66, 33.197, 171.941



66, 33.197, 221.941



66, 33.197, 351.941



66, 33.197, 41.941

Sweetspot

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



66, 33.198, 171.940



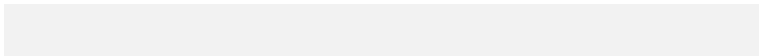
88, 13.135, 175.924



66, 53.866, 133.668



47, 8.931, 175.719



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, 33.198, 171.940



83, 47.718, 170.337



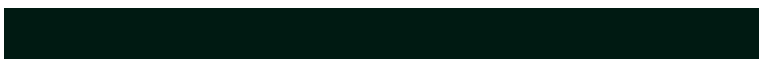
61, 23.626, 225.391



37, 4.065, 176.514



56, 46.850, 163.746



7, 10.527, 170.596

Inverse Universe

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



49, 39.013, 4.084



58, 57.953, 6.825



52, 34.285, 41.311



35, 4.182, 358.109



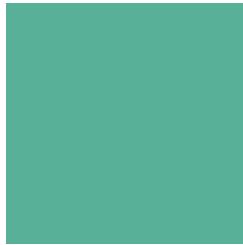
32, 60.142, 21.893



2, 9.638, 1.964

Previews

White Background



This preview shows how the CIELCh color 66, 33.197, 171.941 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, 33.197, 171.941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

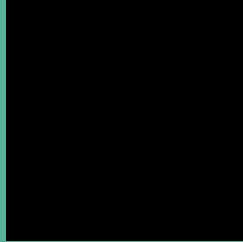
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 33.197, 171.941

Background



This preview shows how black text looks on a background with the CIELCh color 66, 33.197, 171.941.

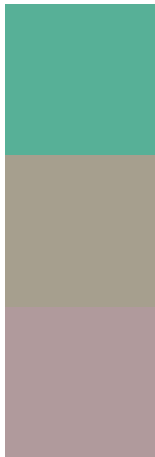


This preview shows how white text looks on a background with the CIELCh color 66, 33.197, 171.941.

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, 33.197, 171.941

Protanopia
66, 9.788, 92.560

Deuteranopia
66, 8.671, 12.877



Tritanopia
66, 24.015, 216.693

Trichromacy



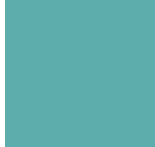
Original Color
66, 33.197, 171.941



Protanomaly
65, 15.506, 152.516



Deuteranomaly
65, 8.184, 165.847



Tritanomaly
66, 25.614, 197.313

Monochromacy



Original Color
66, 33.197, 171.941



Achromatopsia
61, 0.008, 296.813



Achromatomaly
62, 13.600, 173.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 33.197, 171.941 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(87, 176, 151)` looks like.

```
.text, #text, p{  
    color:rgb(87, 176, 151)  
}
```

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(87, 176, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 176, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 33.197, 171.941 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(87, 176, 151) }
```

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

```
.border{ border-color:rgb(87, 176, 151) }
```

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

Here you see how a box with a 4 pixel rgb(87, 176, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 176, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 176, 151);  
box-shadow:4px 4px 4px 4px rgb(87, 176,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 33.197, 171.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 176, 151) }
```

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

```
.background{ background-color: rgb(87, 176,  
151) }
```

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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