

Converting Colors

CIELCh(66, 37.072, 170.589)

Have a look what the booklet for
CIELCh(66, 37.072, 170.589)
contains.

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Color

CIELCh(66, 37.021, 170.595)

Conversions

Conversions Part 1

Format	Color
Hex	4CB194
RGB	76, 177, 148
RGB Percent	30%, 69%, 58%
CMY	0.7001, 0.3042, 0.4180
CMYK	0.57, 0.00, 0.16, 0.30
HSL	163°, 40%, 50%
HSV	163°, 57%, 70%
XYZ	24.2046, 35.3238, 33.7325
YIQ	143.4950, -50.8870, -30.4310

Conversions

Conversions Part 2

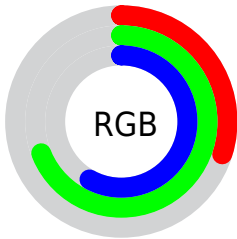
Format	Color
RYB	76, 135, 177
Decimal	5026196
CIELab	66.00, -36.52, 6.05
CIElCh	66, 37.021, 170.595
Yxy	35.3238, 0.2595, 0.3788
Android (android.graphics.Color)	4283216276 (0xFF4CB194)
YUV	143.4950, 2.2210, -59.1931
Hunter-Lab	59.4338, -31.3147, 7.9528

Details

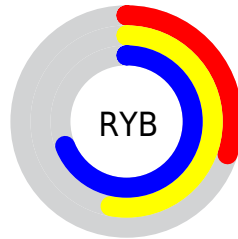
The CIELCh color **66, 37.021, 170.595** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **47, 44.127, 5.020**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 36.943, 170.740**, and **46, 36.943, 169.799** is the 20% darker color. If you saturate the color by 10%, you get **65, 41.880, 169.105**, and if you desaturate by 10%, it is **67, 31.501, 171.934**.

Distribution



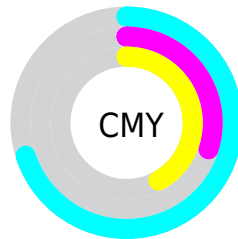
- Red (30%)
- Green (69%)
- Blue (58%)



- Red (30%)
- Yellow (53%)
- Blue (69%)



- Cyan (57%)
- Magenta (0%)
- Yellow (16%)
- Black (30%)





- Cyan (70%)
- Magenta (30%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 37.021, 170.595 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, 37.021, 170.595 by changing the saturation by 10% instead.


 66, 37.021,
170.595


 66, 37.021,
170.595


 100, 37.021,
170.595


 56, 37.021,
170.595


 86, 37.021,
170.595

 46, 37.021,
170.595

 96, 37.021,
170.595

 36, 37.021,
170.595

 26, 37.021,
170.595

 16, 37.021,
170.595

 6, 37.021, 170.595

 0, 37.021, 170.595

66, 37.021,
170.595

66, 37.021,
170.595

65, 41.880,
169.105

67, 31.501,
171.934

65, 46.011,
167.443

68, 25.419,
173.150

65, 49.398,
165.591

69, 18.890,
174.264

64, 52.115,
163.560

70, 12.033,
175.299

64, 52.907,
162.938

71, 4.956, 176.302

73, 2.242, 356.909

74, 9.482, 357.902

76, 16.699,
358.723

■ 78, 23.846,
359.495

Harmonies

Complementary

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



66, 37.021, 170.595



47, 44.127, 5.020

Rectangle

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



66, 37.021, 170.595



66, 37.021, 220.595



66, 37.021, 350.595



66, 37.021, 40.595

Sweetspot

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



66, 37.021, 170.594



88, 14.911, 175.260



66, 60.126, 132.871



46, 9.941, 175.063



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, 37.021, 170.594



83, 51.970, 168.747



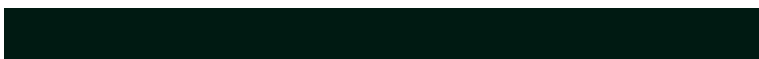
61, 25.968, 223.830



37, 4.080, 176.055



56, 47.233, 163.211



7, 10.577, 170.120

Inverse Universe

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



47, 44.127, 5.020



55, 63.777, 8.409



50, 40.173, 40.231



35, 4.195, 357.650



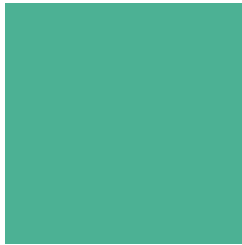
32, 59.952, 21.317



2, 9.659, 1.587

Previews

White Background



This preview shows how the CIE LCh color 66, 37.021, 170.595 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, 37.021, 170.595 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, 37.021, 170.595

Background



This preview shows how black text looks on a background with the CIELCh color 66, 37.021, 170.595.

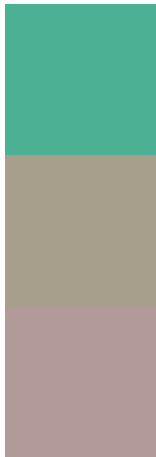


This preview shows how white text looks on a background with the CIELCh color 66, 37.021, 170.595.

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, 37.021, 170.595

Protanopia
66, 11.496, 92.717

Deuteranopia
66, 9.079, 23.671



Tritanopia
66, 26.019, 215.024

Trichromacy



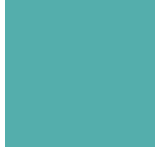
Original Color
66, 37.021, 170.595



Protanomaly
65, 18.188, 150.984



Deuteranomaly
65, 11.046, 161.366



Tritanomaly
66, 28.193, 194.827

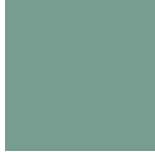
Monochromacy



Original Color
66, 37.021, 170.595



Achromatopsia
60, 0.008, 296.813



Achromatomaly
61, 14.908, 175.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 37.021, 170.595 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(76, 177, 148)` looks like.

```
.text, #text, p{  
    color:rgb(76, 177, 148)  
}
```

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(76, 177, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 177, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 37.021, 170.595 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(76, 177, 148) }
```

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

```
.border{ border-color:rgb(76, 177, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 177, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 177, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 177, 148);  
box-shadow:4px 4px 4px 4px rgb(76, 177,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 37.021, 170.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 177, 148) }
```

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

```
.background{ background-color: rgb(76, 177,  
148) }
```

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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