

# Converting Colors

CIELCh(67, 30.751, 205.641)

Have a look what the booklet for  
CIELCh(67, 30.751, 205.641)  
contains.

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**Color**

**CIELCh(67, 30.810, 205.379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47B2BA
RGB	71, 178, 186
RGB Percent	28%, 70%, 73%
CMY	0.7224, 0.3027, 0.2713
CMYK	0.62, 0.04, 0.00, 0.27
HSL	184°, 45%, 50%
HSV	184°, 62%, 73%
XYZ	27.3063, 36.6320, 51.9780
YIQ	146.9190, -66.3400, -20.1960

# Conversions

## Conversions Part 2

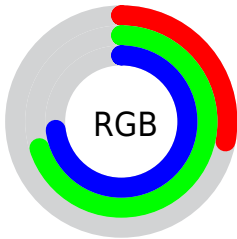
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 126, 186
Decimal	4698810
CIE <sub>Lab</sub>	67.00, -27.84, -13.21
CIE <sub>LCh</sub>	67, 30.810, 205.379
Yxy	36.6320, 0.2356, 0.3160
Android (android.graphics.Color)	4282888890 (0xFF47B2BA)
YUV	146.9190, 19.2669, -66.5810
Hunter-Lab	60.5244, -25.3853, -8.5509




# Details

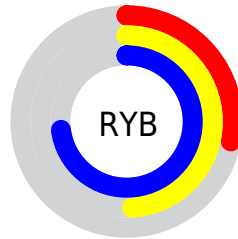
The CIELCh color **67, 30.810, 205.379** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **48, 50.187, 31.719**, and the grayscale version is **61, 0.008, 296.813**.




A 20% lighter version of the original color is **87, 30.689, 205.388**, and **47, 28.633, 206.226** is the 20% darker color. If you saturate the color by 10%, you get **66, 33.313, 205.842**, and if you desaturate by 10%, it is **68, 27.486, 205.095**.

# Distribution







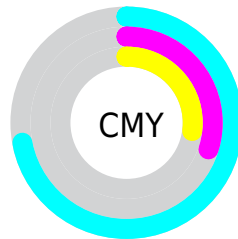
-  Red (28%)
-  Green (70%)
-  Blue (73%)






-  Red (28%)
-  Yellow (49%)
-  Blue (73%)



-  Cyan (62%)
-  Magenta (4%)
-  Yellow (0%)
-  Black (27%)




-  Cyan (72%)
-  Magenta (30%)
-  Yellow (27%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 30.810, 205.379 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 67, 30.810, 205.379 by changing the saturation by 10% instead.





 67, 30.810,  
205.379


 67, 30.810,  
205.379


 100, 30.810,  
205.379


 57, 30.810,  
205.379


 87, 30.810,  
205.379

 47, 30.810,  
205.379

 97, 30.810,  
205.379

 37, 30.810,  
205.379

 27, 30.810,  
205.379

 17, 30.810,  
205.379

 7, 30.810, 205.379

 0, 30.810, 205.379

67, 30.810,  
205.379

67, 30.810,  
205.379

66, 33.313,  
205.842

68, 27.486,  
205.095

65, 34.984,  
206.512

69, 23.398,  
204.971

65, 35.865,  
207.408

70, 18.626,  
204.982

64, 36.167,  
208.266

72, 13.272,  
205.110

73, 7.437, 205.348

75, 1.221, 205.987

77, 5.285, 25.792

79, 12.003, 26.227

81, 18.866, 26.654



# Harmonies

# Complementary

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



67, 30.810, 205.379



48, 50.187, 31.719

# Rectangle

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



67, 30.810, 205.379



67, 30.810, 255.379



67, 30.810, 25.379



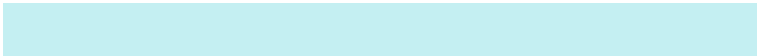
67, 30.810, 75.379

# Sweetspot

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



67, 30.810, 205.377



92, 14.400, 205.160



67, 69.909, 140.696



49, 9.897, 205.105



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



67, 30.810, 205.377



84, 41.437, 206.041



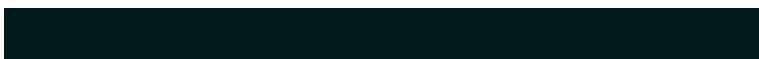
50, 39.516, 275.264



38, 3.528, 205.432



55, 31.746, 208.091



7, 9.470, 207.787



# Inverse Universe

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



50, 68.692, 329.729



60, 95.610, 330.314



60, 43.534, 73.966



36, 6.590, 326.867



36, 75.703, 331.166



3, 17.538, 327.531



# Previews

## White Background



This preview shows how the CIELCh color 67, 30.810, 205.379 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 67, 30.810, 205.379 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

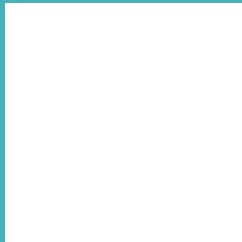
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 67, 30.810, 205.379**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 30.810, 205.379.



This preview shows how white text looks on a background with the CIELCh color 67, 30.810, 205.379.

# 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**  
67, 30.810, 205.379

**Protanopia**  
67, 7.751, 290.987

**Deuteranopia**  
67, 17.905, 298.800





**Tritanopia**  
67, 30.179, 212.205

# Trichromacy



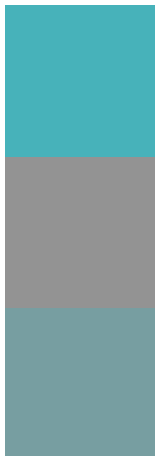
**Original Color**  
67, 30.810, 205.379

**Protanomaly**  
66, 14.719, 225.443

**Deuteranomaly**  
66, 16.983, 247.712

**Tritanomaly**  
67, 30.334, 209.906

# Monochromacy



**Original Color**  
67, 30.810, 205.379

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
62, 13.847, 205.250

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 30.810, 205.379 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(71, 178, 186)` looks like.

```
.text, #text, p{  
    color:rgb(71, 178, 186)  
}
```

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(71, 178, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 178, 186) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 30.810, 205.379 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(71, 178, 186) }
```

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

```
.border{ border-color:rgb(71, 178, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 178, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 178, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 178, 186);  
box-shadow:4px 4px 4px 4px rgb(71, 178,  
186) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 30.810, 205.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 178, 186) }
```

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

```
.background{ background-color: rgb(71, 178,  
186) }
```

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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