

Converting Colors

CIELCh(67, 30.753, 200.617)

Have a look what the booklet for
CIELCh(67, 30.753, 200.617)
contains.

CIELCh(67, 30.704, 201.171)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(67, 30.704, 201.171)

Conversions

Conversions Part 1

Format	Color
Hex	49B2B6
RGB	73, 178, 182
RGB Percent	29%, 70%, 71%
CMY	0.7137, 0.3020, 0.2863
CMYK	0.60, 0.02, 0.00, 0.29
HSL	182°, 43%, 50%
HSV	182°, 60%, 71%
XYZ	27.1093, 36.6320, 49.8951
YIQ	147.0610, -63.8640, -21.0160

Conversions

Conversions Part 2

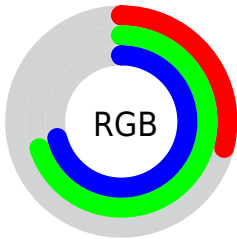
Format	Color
RYB	73, 126, 182
Decimal	4829878
CIELab	67.00, -28.63, -11.09
CIELCh	67, 30.704, 201.171
Yxy	36.6320, 0.2386, 0.3224
Android (android.graphics.Color)	4283019958 (0xFF49B2B6)
YUV	147.0610, 17.2249, -64.9515
Hunter-Lab	60.5244, -25.9661, -6.5105

Details

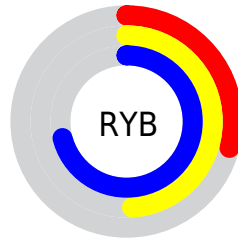
The CIELCh color **67, 30.704, 201.171** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **47, 48.543, 29.341**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 30.611, 201.397**, and **47, 29.000, 201.229** is the 20% darker color. If you saturate the color by 10%, you get **66, 33.451, 201.268**, and if you desaturate by 10%, it is **68, 27.146, 201.190**.

Distribution



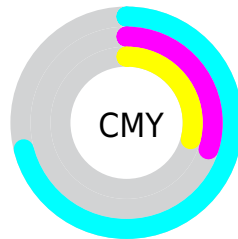
- Red (29%)
- Green (70%)
- Blue (71%)



- Red (29%)
- Yellow (49%)
- Blue (71%)



- Cyan (60%)
- Magenta (2%)
- Yellow (0%)
- Black (29%)





- Cyan (71%)
- Magenta (30%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 30.704, 201.171 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, 30.704, 201.171 by changing the saturation by 10% instead.


 67, 30.704,
201.171


 67, 30.704,
201.171


 100, 30.704,
201.171


 57, 30.704,
201.171


 87, 30.704,
201.171

 47, 30.704,
201.171

 97, 30.704,
201.171

 37, 30.704,
201.171

 27, 30.704,
201.171

 17, 30.704,
201.171

 7, 30.704, 201.171

 0, 30.704, 201.171

67, 30.704,
201.171

67, 30.704,
201.171

66, 33.451,
201.268

68, 27.146,
201.190

66, 35.369,
201.496

69, 22.835,
201.317

65, 36.489,
201.860

70, 17.856,
201.540

65, 36.997,
202.339

71, 12.310,
201.849

65, 37.002,
202.345

73, 6.301, 202.250

74, 0.072, 15.429

76, 6.717, 22.962

78, 13.557, 23.488

79, 20.524, 24.011

Harmonies

Complementary

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



67, 30.704, 201.171



47, 48.543, 29.341

Rectangle

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



67, 30.704, 201.171



67, 30.704, 251.171



67, 30.704, 21.171



67, 30.704, 71.171

Sweetspot

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



67, 30.704, 201.169



91, 13.883, 201.906



66, 68.283, 140.111



48, 9.636, 201.803



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



67, 30.704, 201.169



84, 41.679, 201.329



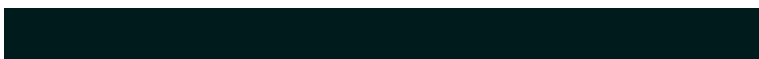
51, 35.816, 271.313



38, 3.640, 202.276



56, 32.970, 202.269



8, 9.923, 202.833

Inverse Universe

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



49, 67.301, 328.552



60, 94.624, 329.062



59, 40.897, 71.140



36, 6.740, 325.927



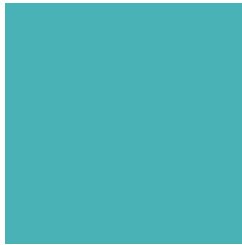
36, 77.655, 329.725



3, 18.137, 326.149

Previews

White Background



This preview shows how the CIELCh color 67, 30.704, 201.171 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, 30.704, 201.171 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

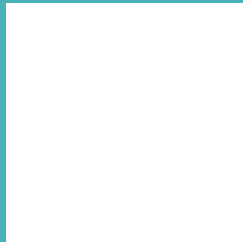
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 30.704, 201.171

Background



This preview shows how black text looks on a background with the CIELCh color 67, 30.704, 201.171.

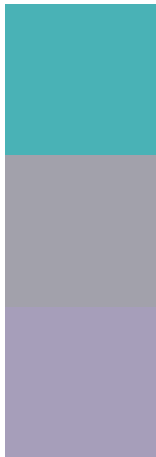


This preview shows how white text looks on a background with the CIELCh color 67, 30.704, 201.171.

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, 30.704, 201.171

Protanopia
67, 5.556, 294.592

Deuteranopia
67, 15.832, 302.205



Tritanopia
67, 29.471, 212.623

Trichromacy



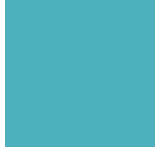
Original Color
67, 30.704, 201.171



Protanomaly
66, 13.488, 217.711



Deuteranomaly
66, 15.466, 244.803



Tritanomaly
67, 29.625, 209.143

Monochromacy



Original Color
67, 30.704, 201.171



Achromatopsia
61, 0.008, 296.813



Achromatomaly
62, 13.526, 203.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 30.704, 201.171 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, 178, 182)` looks like.

```
.text, #text, p{  
    color:rgb(73, 178, 182)  
}
```

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, 178, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 178, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 30.704, 201.171 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, 178, 182) }
```

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

```
.border{ border-color:rgb(73, 178, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 178, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 178, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 178, 182);  
box-shadow:4px 4px 4px 4px rgb(73, 178,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 30.704, 201.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 178, 182) }
```

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

```
.background{ background-color: rgb(73, 178,  
182) }
```

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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