

Converting Colors

CIELCh(67, 34.376, 196.555)

Have a look what the booklet for
CIELCh(67, 34.376, 196.555)
contains.

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Color

CIELCh(67, 34.459, 196.695)

Conversions

Conversions Part 1

Format	Color
Hex	37B4B4
RGB	55, 180, 180
RGB Percent	22%, 71%, 71%
CMY	0.7856, 0.2951, 0.2951
CMYK	0.70, 0.00, 0.00, 0.30
HSL	180°, 53%, 46%
HSV	180°, 70%, 70%
XYZ	26.0426, 36.6320, 48.7492
YIQ	142.6250, -74.5000, -26.5000

Conversions

Conversions Part 2

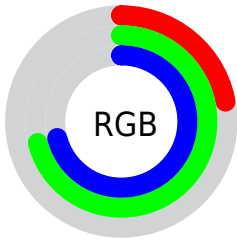
Format	Color
RYB	55, 118, 180
Decimal	3650740
CIELab	67.00, -33.01, -9.90
CIELCh	67, 34.459, 196.695
Yxy	36.6320, 0.2337, 0.3288
Android (android.graphics.Color)	4281840820 (0xFF37B4B4)
YUV	142.6250, 18.4259, -76.8471
Hunter-Lab	60.5244, -29.1121, -5.3880

Details

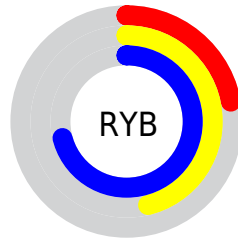
The CIELCh color **67, 34.459, 196.695** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **42, 58.160, 30.099**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 34.333, 197.185**, and **48, 29.893, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **67, 36.544, 196.537**, and if you desaturate by 10%, it is **67, 31.548, 196.914**.

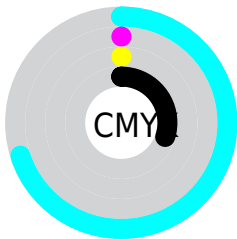
Distribution



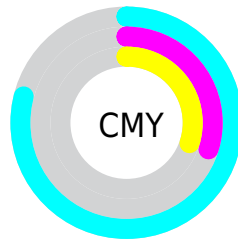
- Red (22%)
- Green (71%)
- Blue (71%)



- Red (22%)
- Yellow (46%)
- Blue (71%)



- Cyan (70%)
- Magenta (0%)
- Yellow (0%)
- Black (30%)





- Cyan (79%)
- Magenta (30%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 34.459, 196.695 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, 34.459, 196.695 by changing the saturation by 10% instead.

 67, 34.459,
196.695


 67, 34.459,
196.695

 100, 34.459,
196.695

 57, 34.459,
196.695

 87, 34.459,
196.695

 47, 34.459,
196.695

 97, 34.459,
196.695

 37, 34.459,
196.695

 27, 34.459,
196.695

 17, 34.459,
196.695

 7, 34.459, 196.695

 0, 34.459, 196.695

67, 34.459,
196.695

67, 34.459,
196.695

67, 36.544,
196.537

67, 31.548,
196.914

66, 37.840,
196.441

68, 27.826,
197.200

66, 38.521,
196.390

69, 23.348,
197.550

66, 38.546,
196.388

70, 18.196,
197.960

71, 12.472,
198.429

72, 6.279, 198.971

73, 0.278, 17.594

75, 7.105, 19.927

Harmonies

Complementary

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



67, 34.459, 196.695



42, 58.160, 30.099

Rectangle

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



67, 34.459, 196.695



67, 34.459, 246.695



67, 34.459, 16.695



67, 34.459, 66.695

Sweetspot

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



67, 34.459, 196.694



90, 16.508, 198.342



65, 77.563, 138.228



47, 11.064, 198.212



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 34.459, 196.694



85, 45.644, 196.474



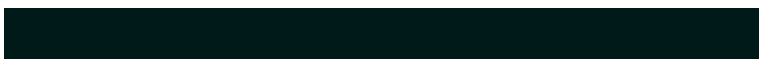
48, 38.992, 271.108



37, 3.690, 198.988



57, 34.226, 196.388



7, 9.137, 199.104

Inverse Universe

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



47, 76.259, 327.738



57, 103.985, 328.090



55, 47.372, 66.635



35, 6.751, 324.925



36, 78.926, 328.233



3, 16.262, 324.440

Previews

White Background



This preview shows how the CIELCh color 67, 34.459, 196.695 looks on a white background.

Color Contrast Check

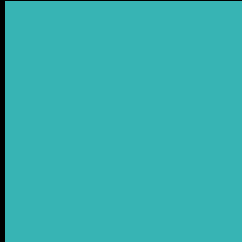
Large Text (above 18pt) WCAG AA × Fail

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, 34.459, 196.695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

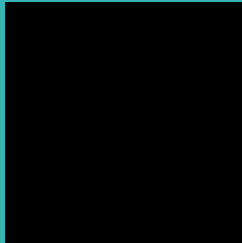
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

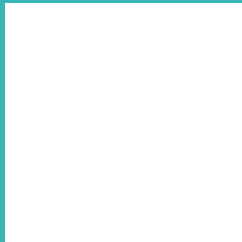
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 34.459, 196.695

Background



This preview shows how black text looks on a background with the CIELCh color 67, 34.459, 196.695.

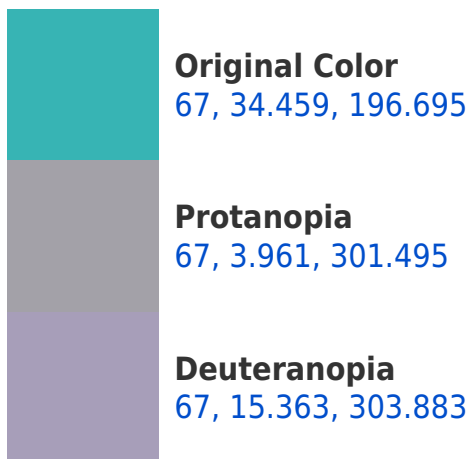


This preview shows how white text looks on a background with the CIELCh color 67, 34.459, 196.695.

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
67, 32.127, 211.133

Trichromacy



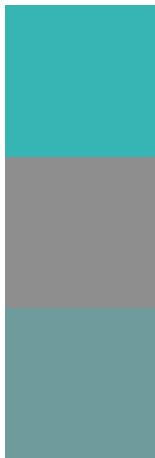
Original Color
67, 34.459, 196.695

Protanomaly
66, 15.355, 206.527

Deuteranomaly
66, 16.159, 234.409

Tritanomaly
67, 32.873, 205.704

Monochromacy



Original Color
67, 34.459, 196.695

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 16.181, 197.977

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 34.459, 196.695 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(55, 180, 180)` looks like.

```
.text, #text, p{  
    color:rgb(55, 180, 180)  
}
```

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(55, 180, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 180, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 34.459, 196.695 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(55, 180, 180) }
```

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

```
.border{ border-color:rgb(55, 180, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 180, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(55, 180, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(55, 180, 180); box-shadow:4px 4px 4px 4px rgb(55, 180, 180) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 34.459, 196.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 180, 180) }
```

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

```
.background{ background-color: rgb(55, 180,  
180) }
```

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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