

Converting Colors

CIELCh(66, 31.433, 196.883)

Have a look what the booklet for
CIELCh(66, 31.433, 196.883)
contains.

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Color

CIELCh(66, 31.417, 196.885)

Conversions

Conversions Part 1

Format	Color
Hex	45B0B0
RGB	69, 176, 176
RGB Percent	27%, 69%, 69%
CMY	0.7306, 0.3108, 0.3108
CMYK	0.61, 0.00, 0.00, 0.31
HSL	180°, 44%, 48%
HSV	180°, 61%, 69%
XYZ	25.7152, 35.3238, 46.4000
YIQ	144.0070, -63.7720, -22.6840

Conversions

Conversions Part 2

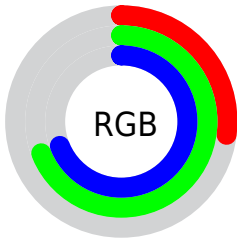
Format	Color
RYB	69, 123, 176
Decimal	4567216
CIELab	66.00, -30.06, -9.13
CIElCh	66, 31.417, 196.885
Yxy	35.3238, 0.2393, 0.3288
Android (android.graphics.Color)	4282757296 (0xFF45B0B0)
YUV	144.0070, 15.7725, -65.7811
Hunter-Lab	59.4338, -26.7776, -4.6840

Details

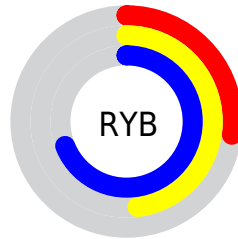
The CIELCh color **66, 31.417, 196.885** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **44, 49.294, 27.544**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 31.374, 197.347**, and **46, 29.057, 197.597** is the 20% darker color. If you saturate the color by 10%, you get **66, 34.176, 196.671**, and if you desaturate by 10%, it is **67, 27.859, 197.161**.

Distribution



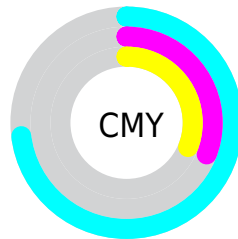
- Red (27%)
- Green (69%)
- Blue (69%)



- Red (27%)
- Yellow (48%)
- Blue (69%)



- Cyan (61%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)





- Cyan (73%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 31.417, 196.885 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, 31.417, 196.885 by changing the saturation by 10% instead.


 66, 31.417,
196.885


 66, 31.417,
196.885


 100, 31.417,
196.885


 56, 31.417,
196.885


 86, 31.417,
196.885

 46, 31.417,
196.885

 96, 31.417,
196.885

 36, 31.417,
196.885

 26, 31.417,
196.885

 16, 31.417,
196.885

 6, 31.417, 196.885

 0, 31.417, 196.885

66, 31.417,
196.885

66, 31.417,
196.885

66, 34.176,
196.671

67, 27.859,
197.161

65, 36.127,
196.522

67, 23.551,
197.502

65, 37.312,
196.432

68, 18.573,
197.904

65, 37.905,
196.388

69, 13.019,
198.365

70, 6.993, 198.894

72, 0.598, 200.194

73, 6.074, 19.839

75, 12.940, 20.471

76, 19.930, 21.089

Harmonies

Complementary

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



66, 31.417, 196.885



44, 49.294, 27.544

Rectangle

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



66, 31.417, 196.885



66, 31.417, 246.885



66, 31.417, 16.885



66, 31.417, 66.885

Sweetspot

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



66, 31.417, 196.883



88, 14.035, 198.495



64, 68.701, 139.207



46, 9.656, 198.353



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, 31.417, 196.883



83, 42.637, 196.614



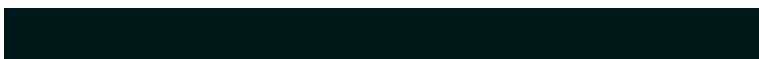
50, 33.751, 268.035



36, 3.603, 198.990



56, 33.807, 196.388



6, 7.801, 199.423

Inverse Universe

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



48, 67.961, 327.449



58, 95.318, 327.863



56, 40.189, 67.830



34, 6.590, 324.923



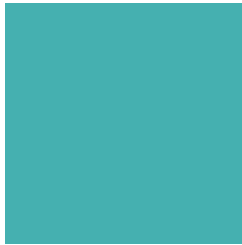
35, 77.961, 328.233



2, 13.857, 324.439

Previews

White Background



This preview shows how the CIELCh color 66, 31.417, 196.885 looks on a white background.

Color Contrast Check

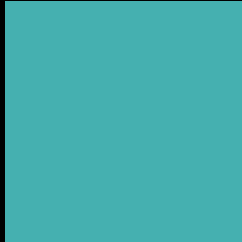
Large Text (above 18pt) WCAG AA × Fail

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, 31.417, 196.885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

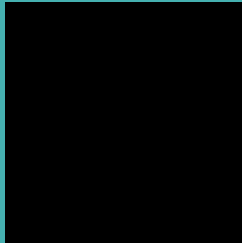
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 31.417, 196.885

Background



This preview shows how black text looks on a background with the CIELCh color 66, 31.417, 196.885.

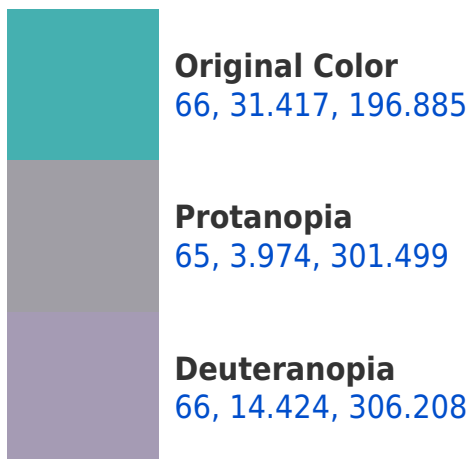


This preview shows how white text looks on a background with the CIELCh color 66, 31.417, 196.885.

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
66, 29.388, 212.702

Trichromacy



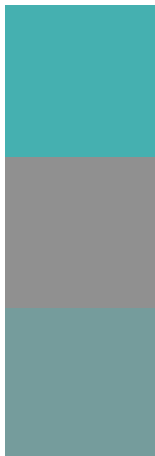
Original Color
66, 31.417, 196.885

Protanomaly
65, 13.228, 210.559

Deuteranomaly
65, 13.867, 235.800

Tritanomaly
66, 29.968, 206.777

Monochromacy



Original Color
66, 31.417, 196.885

Achromatopsia
60, 0.008, 296.813

Achromatomaly
62, 13.942, 198.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 31.417, 196.885 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(69, 176, 176)` looks like.

```
.text, #text, p{  
    color:rgb(69, 176, 176)  
}
```

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(69, 176, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 176, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 31.417, 196.885 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(69, 176, 176) }
```

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

```
.border{ border-color:rgb(69, 176, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 176, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 176, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 176, 176);  
box-shadow:4px 4px 4px 4px rgb(69, 176,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 31.417, 196.885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 176, 176) }
```

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

```
.background{ background-color: rgb(69, 176,  
176) }
```

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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