

Converting Colors

CIELCh(66, 31.869, 234.777)

Have a look what the booklet for
CIELCh(66, 31.869, 234.777)
contains.

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Color

CIELCh(66, 31.859, 234.322)

Conversions

Conversions Part 1

Format	Color
Hex	48ACCE
RGB	72, 172, 206
RGB Percent	28%, 67%, 81%
CMY	0.7178, 0.3256, 0.1923
CMYK	0.65, 0.17, 0.00, 0.19
HSL	195°, 58%, 54%
HSV	195°, 65%, 81%
XYZ	28.5526, 35.3238, 63.6848
YIQ	145.9760, -70.5140, -10.6260

Conversions

Conversions Part 2

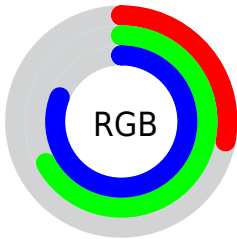
Format	Color
RYB	72, 129, 206
Decimal	4762830
CIELab	66.00, -18.58, -25.88
CIELCh	66, 31.859, 234.322
Yxy	35.3238, 0.2238, 0.2769
Android (android.graphics.Color)	4282952910 (0xFF48ACCE)
YUV	145.9760, 29.5918, -64.8770
Hunter-Lab	59.4338, -18.2560, -21.9270

Details

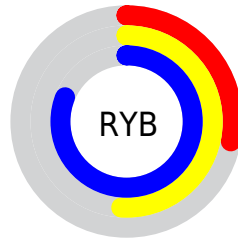
The CIELCh color **66, 31.859, 234.322** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **56, 51.987, 45.018**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 30.182, 227.297**, and **47, 29.982, 237.171** is the 20% darker color. If you saturate the color by 10%, you get **64, 34.617, 237.254**, and if you desaturate by 10%, it is **68, 28.444, 231.983**.

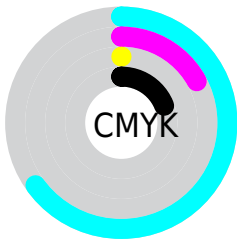
Distribution



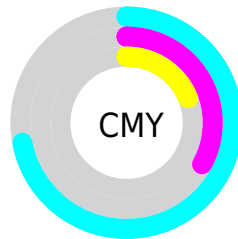
- Red (28%)
- Green (67%)
- Blue (81%)



- Red (28%)
- Yellow (51%)
- Blue (81%)



- Cyan (65%)
- Magenta (17%)
- Yellow (0%)
- Black (19%)





- Cyan (72%)
- Magenta (33%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 31.859, 234.322 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, 31.859, 234.322 by changing the saturation by 10% instead.


 66, 31.859,
234.322


 66, 31.859,
234.322


 100, 31.859,
234.322


 56, 31.859,
234.322


 86, 31.859,
234.322

 46, 31.859,
234.322

 96, 31.859,
234.322

 36, 31.859,
234.322

 26, 31.859,
234.322

 16, 31.859,
234.322

 6, 31.859, 234.322

 0, 31.859, 234.322

66, 31.859,
234.322

66, 31.859,
234.322

64, 34.617,
237.254

68, 28.444,
231.983

62, 36.768,
240.854

71, 24.389,
230.146

60, 38.434,
245.145

73, 19.749,
228.721

59, 39.197,
247.393

76, 14.599,
227.630

78, 9.024, 226.814

81, 3.105, 226.294

84, 3.085, 45.474

87, 9.480, 45.245

90, 15.209, 46.404

Harmonies

Complementary

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



66, 31.859, 234.322



56, 51.987, 45.018

Rectangle

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



66, 31.859, 234.322



66, 31.859, 284.322



66, 31.859, 54.322



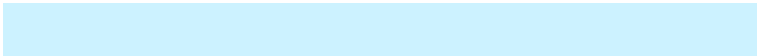
66, 31.859, 104.322

Sweetspot

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



66, 31.858, 234.321



93, 14.055, 227.206



74, 69.710, 145.616



49, 9.510, 227.449



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 31.858, 234.321



77, 41.730, 238.579



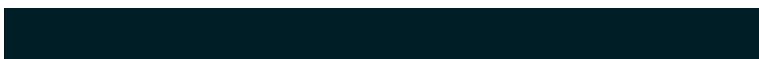
47, 59.318, 289.972



42, 3.420, 226.467



48, 33.202, 246.592



9, 11.812, 235.748

Inverse Universe

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



53, 68.419, 337.436



60, 90.227, 338.887



72, 54.618, 88.942



40, 6.315, 333.059



37, 69.060, 341.472



5, 23.594, 338.132

Previews

White Background



This preview shows how the CIELCh color 66, 31.859, 234.322 looks on a white background.

Color Contrast Check

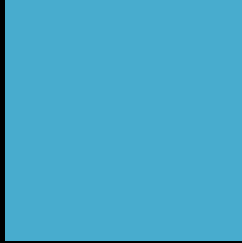
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 66, 31.859, 234.322 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, 31.859, 234.322

Background



This preview shows how black text looks on a background with the CIELCh color 66, 31.859, 234.322.



This preview shows how white text looks on a background with the CIELCh color 66, 31.859, 234.322.

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](#).

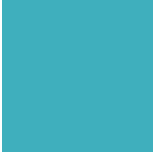
Dichromacy



Original Color
66, 31.859, 234.322

Protanopia
66, 21.160, 285.895

Deuteranopia
66, 28.917, 287.322

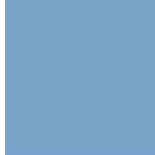


Tritanopia
66, 31.400, 211.539

Trichromacy



Original Color
66, 31.859, 234.322



Protanomaly
65, 23.794, 259.113



Deuteranomaly
65, 28.049, 265.343



Tritanomaly
66, 31.075, 219.504

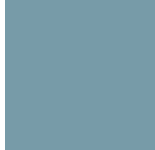
Monochromacy



Original Color
66, 31.859, 234.322



Achromatopsia
61, 0.008, 296.813



Achromatomaly
62, 14.206, 229.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 31.859, 234.322 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(72, 172, 206)` looks like.

```
.text, #text, p{  
    color:rgb(72, 172, 206)  
}
```

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(72, 172, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 172, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 31.859, 234.322 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(72, 172, 206) }
```

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

```
.border{ border-color:rgb(72, 172, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 172, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 172, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 172, 206);  
box-shadow:4px 4px 4px 4px rgb(72, 172,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 31.859, 234.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 172, 206) }
```

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

```
.background{ background-color: rgb(72, 172,  
206) }
```

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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