

Converting Colors

CIELCh(78, 30.609, 202.758)

Have a look what the booklet for
CIELCh(78, 30.609, 202.758)
contains.

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Color

CIELCh(78, 30.548, 203.386)

Conversions

Conversions Part 1

Format	Color
Hex	6AD0D6
RGB	106, 208, 214
RGB Percent	42%, 82%, 84%
CMY	0.5831, 0.1831, 0.1596
CMYK	0.50, 0.03, 0.00, 0.16
HSL	183°, 57%, 63%
HSV	183°, 50%, 84%
XYZ	40.7864, 53.2120, 71.9401
YIQ	178.1860, -62.7180, -19.7580

Conversions

Conversions Part 2

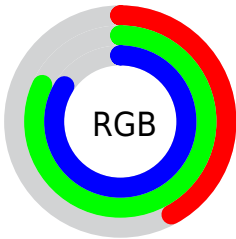
Format	Color
RYB	106, 158, 214
Decimal	7000278
CIELab	78.00, -28.04, -12.13
CIELCh	78, 30.548, 203.386
Yxy	53.2120, 0.2458, 0.3207
Android (android.graphics.Color)	4285190358 (0xFF6AD0D6)
YUV	178.1860, 17.6563, -63.3071
Hunter-Lab	72.9466, -27.8524, -7.4094

Details

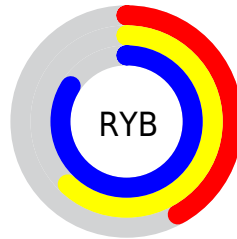
The CIELCh color **78, 30.548, 203.386** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **59, 44.836, 28.769**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.089, 197.686**, and **58, 30.512, 203.271** is the 20% darker color. If you saturate the color by 10%, you get **77, 34.426, 203.531**, and if you desaturate by 10%, it is **79, 25.802, 203.375**.

Distribution



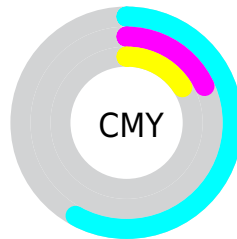
- Red (42%)
- Green (82%)
- Blue (84%)



- Red (42%)
- Yellow (62%)
- Blue (84%)



- Cyan (50%)
- Magenta (3%)
- Yellow (0%)
- Black (16%)





- Cyan (58%)
- Magenta (18%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 30.548, 203.386 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 78, 30.548, 203.386 by changing the saturation by 10% instead.


 78, 30.548,
203.386

 78, 30.548,
203.386


 100, 30.548,
203.386


 68, 30.548,
203.386


 98, 30.548,
203.386

 58, 30.548,
203.386

 48, 30.548,
203.386

 38, 30.548,
203.386

 28, 30.548,
203.386

 18, 30.548,
203.386

 8, 30.548, 203.386

0, 30.548, 203.386

78, 30.548,
203.386

78, 30.548,
203.386

77, 34.426,
203.531

79, 25.802,
203.375

76, 37.371,
203.834

81, 20.286,
203.485

75, 39.365,
204.312

82, 14.116,
203.699

75, 40.453,
204.979

84, 7.409, 204.018

74, 40.833,
205.779

86, 0.283, 206.357

88, 7.162, 24.599

90, 14.327, 25.203

■ 90, 13.958, 27.813

■ 90, 13.620, 30.558

Harmonies

Complementary

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



78, 30.548, 203.386



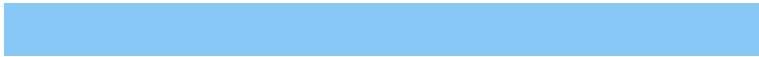
59, 44.836, 28.769

Rectangle

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



78, 30.548, 203.386



78, 30.548, 253.386



78, 30.548, 23.386



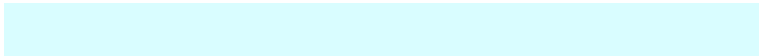
78, 30.548, 73.386

Sweetspot

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



78, 30.548, 203.384



97, 12.157, 203.851



78, 66.197, 141.587



51, 8.241, 203.785



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 30.548, 203.384



90, 39.334, 203.535



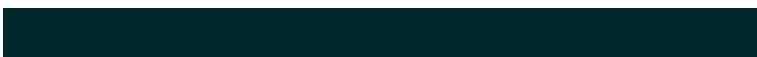
63, 35.315, 270.313



44, 4.057, 204.056



60, 34.522, 205.622



14, 13.701, 203.824

Inverse Universe

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



61, 65.521, 328.738



68, 87.142, 329.225



71, 38.991, 73.975



42, 7.556, 326.472



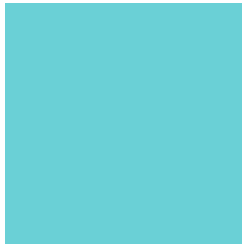
40, 81.978, 330.558



6, 31.650, 329.918

Previews

White Background



This preview shows how the CIELCh color 78, 30.548, 203.386 looks on a white background.

Color Contrast Check

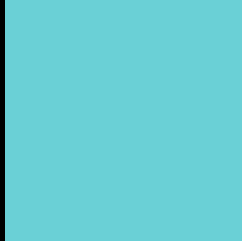
Large Text (above 18pt) WCAG AA × Fail

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 78, 30.548, 203.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

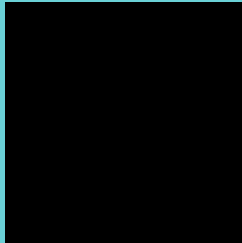
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 30.548, 203.386

Background



This preview shows how black text looks on a background with the CIELCh color 78, 30.548, 203.386.

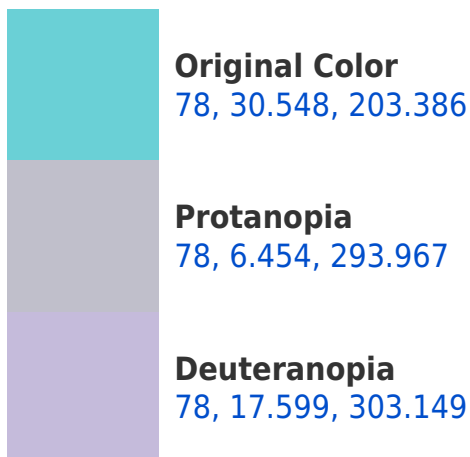


This preview shows how white text looks on a background with the CIELCh color 78, 30.548, 203.386.

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
78, 29.554, 215.643

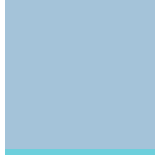
Trichromacy



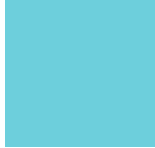
Original Color
78, 30.548, 203.386



Protanomaly
77, 13.254, 222.604



Deuteranomaly
77, 15.450, 249.013

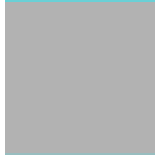


Tritanomaly
78, 29.588, 211.195

Monochromacy



Original Color
78, 30.548, 203.386



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 12.933, 203.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 30.548, 203.386 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(106, 208, 214)` looks like.

```
.text, #text, p{  
    color:rgb(106, 208, 214)  
}
```

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(106, 208, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 208, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 30.548, 203.386 is called "border". The border property can be set on classes, ids or directly on the HTML element.

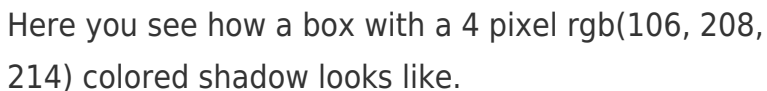
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 208, 214) }
```

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

```
.border{ border-color:rgb(106, 208, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 208, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 208, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 208, 214); box-shadow:4px 4px 4px 4px rgb(106, 208, 214) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 30.548, 203.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 208, 214) }
```

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

```
.background{ background-color: rgb(106,  
208, 214) }
```

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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