

Converting Colors

CIELCh(78, 50.577, 156.327)

Have a look what the booklet for
CIELCh(78, 50.577, 156.327)
contains.

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Color

CIElCh(78, 50.279, 156.580)

Conversions

Conversions Part 1

Format	Color
Hex	64D69A
RGB	100, 214, 154
RGB Percent	39%, 84%, 60%
CMY	0.6073, 0.1603, 0.3956
CMYK	0.53, 0.00, 0.28, 0.16
HSL	148°, 58%, 62%
HSV	148°, 53%, 84%
XYZ	35.1918, 53.2120, 39.0402
YIQ	173.0740, -48.6840, -42.8280

Conversions

Conversions Part 2

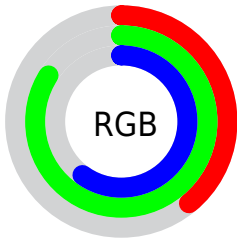
Format	Color
RYB	100, 177, 214
Decimal	6608538
CIELab	78.00, -46.14, 19.98
CIELCh	78, 50.279, 156.580
Yxy	53.2120, 0.2761, 0.4175
Android (android.graphics.Color)	4284798618 (0xFF64D69A)
YUV	173.0740, -9.4035, -64.0859
Hunter-Lab	72.9466, -41.5424, 19.3313

Details

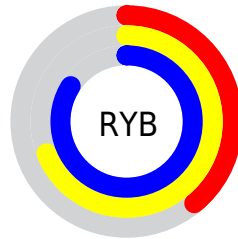
The CIELCh color **78, 50.279, 156.580** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **58, 52.632, 347.898**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 40.630, 161.250**, and **58, 49.887, 156.851** is the 20% darker color. If you saturate the color by 10%, you get **77, 58.324, 155.024**, and if you desaturate by 10%, it is **79, 41.560, 157.948**.

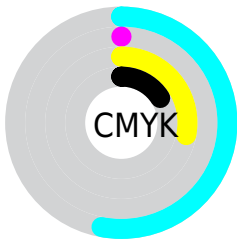
Distribution



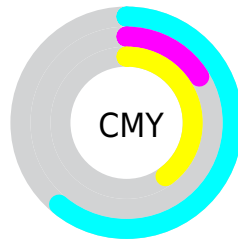
- Red (39%)
- Green (84%)
- Blue (60%)



- Red (39%)
- Yellow (69%)
- Blue (84%)



- Cyan (53%)
- Magenta (0%)
- Yellow (28%)
- Black (16%)





- Cyan (61%)
- Magenta (16%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 50.279, 156.580 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, 50.279, 156.580 by changing the saturation by 10% instead.


 78, 50.279,
156.580


 78, 50.279,
156.580


 100, 50.279,
156.580


 68, 50.279,
156.580


 98, 50.279,
156.580

 58, 50.279,
156.580

 48, 50.279,
156.580

 38, 50.279,
156.580

 28, 50.279,
156.580

 18, 50.279,
156.580

 8, 50.279, 156.580

0, 50.279, 156.580

78, 50.279,
156.580

78, 50.279,
156.580

77, 58.324,
155.024

79, 41.560,
157.948

76, 65.553,
153.262

80, 32.327,
159.154

76, 71.883,
151.287

82, 22.750,
160.223

76, 77.307,
149.118

83, 12.985,
161.182

76, 80.575,
147.614

85, 3.165, 162.130

87, 6.601, 342.700

89, 16.230,

343.435

■ 90, 21.351,
333.851

■ 90, 25.606,
325.316

Harmonies

Complementary

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



78, 50.279, 156.580



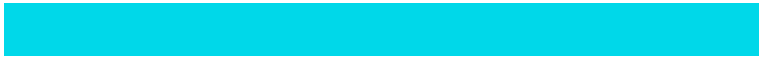
58, 52.632, 347.898

Rectangle

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



78, 50.279, 156.580



78, 50.279, 206.580



78, 50.279, 336.580



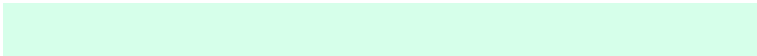
78, 50.279, 26.580

Sweetspot

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



78, 50.280, 156.580



97, 18.082, 160.911



80, 61.602, 125.434



51, 12.204, 160.714



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, 50.280, 156.580



90, 67.754, 154.790



79, 34.099, 193.573



44, 5.566, 161.529



61, 67.547, 147.999



14, 23.928, 153.073

Inverse Universe

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



58, 52.632, 347.898



63, 70.511, 349.822



57, 49.224, 23.477



42, 5.629, 342.978



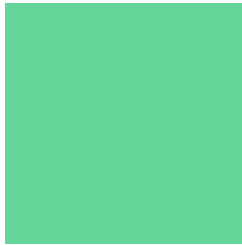
37, 63.151, 359.260



5, 23.812, 352.469

Previews

White Background



This preview shows how the CIE LCh color 78, 50.279, 156.580 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, 50.279, 156.580 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, 50.279, 156.580

Background



This preview shows how black text looks on a background with the CIELCh color 78, 50.279, 156.580.

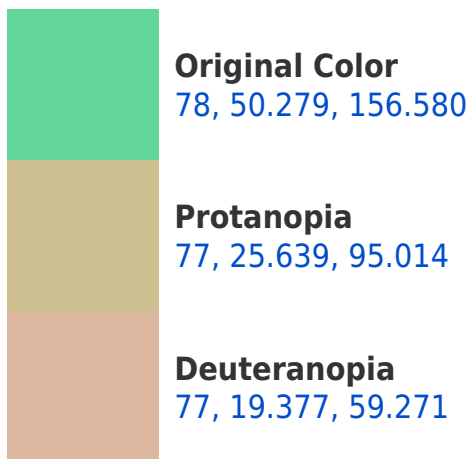


This preview shows how white text looks on a background with the CIELCh color 78, 50.279, 156.580.

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, 27.164, 217.472

Trichromacy



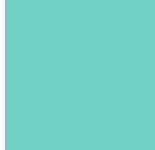
Original Color
78, 50.279, 156.580



Protanomaly
77, 29.835, 132.241



Deuteranomaly
77, 20.948, 127.734

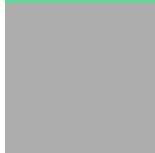


Tritanomaly
78, 31.216, 186.166

Monochromacy



Original Color
78, 50.279, 156.580



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 19.368, 159.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 50.279, 156.580 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(100, 214, 154)` looks like.

```
.text, #text, p{  
    color:rgb(100, 214, 154)  
}
```

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(100, 214, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 214, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 50.279, 156.580 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(100, 214, 154) }
```

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

```
.border{ border-color:rgb(100, 214, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 214, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 214, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 214, 154); box-shadow:4px 4px 4px 4px rgb(100, 214, 154) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 50.279, 156.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 214, 154) }
```

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

```
.background{ background-color: rgb(100,  
214, 154) }
```

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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