

Converting Colors

CIELCh(78, 59.979, 146.487)

Have a look what the booklet for
CIELCh(78, 59.979, 146.487)
contains.

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Color

CIELCh(78, 59.808, 146.495)

Conversions

Conversions Part 1

Format	Color
Hex	69D781
RGB	105, 215, 129
RGB Percent	41%, 84%, 51%
CMY	0.5881, 0.1567, 0.4940
CMYK	0.51, 0.00, 0.40, 0.16
HSL	133°, 58%, 63%
HSV	133°, 51%, 84%
XYZ	34.1053, 53.2120, 29.2542
YIQ	172.3060, -37.9540, -50.0660

Conversions

Conversions Part 2

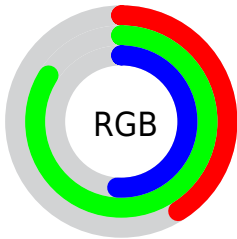
Format	Color
RYB	105, 195, 215
Decimal	6936449
CIELab	78.00, -49.87, 33.01
CIELCh	78, 59.808, 146.495
Yxy	53.2120, 0.2926, 0.4565
Android (android.graphics.Color)	4285126529 (0xFF69D781)
YUV	172.3060, -21.3499, -59.0274
Hunter-Lab	72.9466, -44.2008, 27.2852

Details

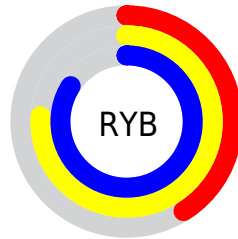
The CIELCh color **78, 59.808, 146.495** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **60, 59.698, 334.689**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 49.258, 148.192**, and **58, 59.867, 146.469** is the 20% darker color. If you saturate the color by 10%, you get **77, 70.129, 145.119**, and if you desaturate by 10%, it is **79, 48.721, 147.703**.

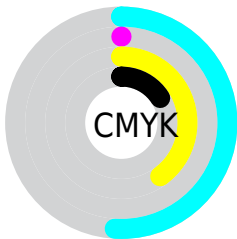
Distribution



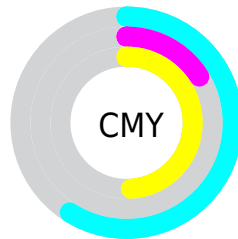
- Red (41%)
- Green (84%)
- Blue (51%)



- Red (41%)
- Yellow (76%)
- Blue (84%)



- Cyan (51%)
- Magenta (0%)
- Yellow (40%)
- Black (16%)




- Cyan (59%)
- Magenta (16%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 59.808, 146.495 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, 59.808, 146.495 by changing the saturation by 10% instead.

 78, 59.808,
146.495

 78, 59.808,
146.495


 100, 59.808,
146.495


 68, 59.808,
146.495


 98, 59.808,
146.495

 58, 59.808,
146.495

 48, 59.808,
146.495

 38, 59.808,
146.495

 28, 59.808,
146.495

 18, 59.808,
146.495

 8, 59.808, 146.495

■ 0, 59.808, 146.495

■ 78, 59.808,
146.495

■ 78, 59.808,
146.495

■ 77, 70.129,
145.119

■ 79, 48.721,
147.703

■ 76, 79.422,
143.583

■ 80, 37.119,
148.752

■ 76, 87.447,
141.922

■ 82, 25.234,
149.659

■ 76, 94.003,
140.207

■ 84, 13.261,
150.450

■ 75, 98.534,
138.787

■ 86, 1.355, 151.343

■ 88, 10.368,
331.651

■ 90, 21.696,
331.757

■ 90, 25.032,
325.296

Harmonies

Complementary

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



78, 59.808, 146.495



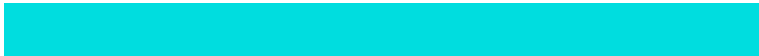
60, 59.698, 334.689

Rectangle

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



78, 59.808, 146.495



78, 59.808, 196.495



78, 59.808, 326.495



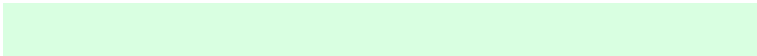
78, 59.808, 16.495

Sweetspot

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



78, 59.809, 146.495



97, 20.517, 150.146



82, 56.490, 115.342



51, 14.007, 149.978



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, 59.809, 146.495



90, 80.245, 145.055



79, 39.445, 171.593



44, 6.719, 150.579



61, 82.460, 139.066



14, 28.727, 144.960

Inverse Universe

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



60, 59.698, 334.689



66, 79.156, 335.517



58, 46.465, 4.177



42, 6.743, 331.735



38, 72.400, 339.203



6, 28.068, 336.749

Previews

White Background



This preview shows how the CIELCh color 78, 59.808, 146.495 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, 59.808, 146.495 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, 59.808, 146.495

Background



This preview shows how black text looks on a background with the CIELCh color 78, 59.808, 146.495.



This preview shows how white text looks on a background with the CIELCh color 78, 59.808, 146.495.

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
78, 59.808, 146.495

Protanopia
78, 38.600, 95.942

Deuteranopia
77, 31.693, 71.463



Tritanopia
78, 25.093, 219.320

Trichromacy



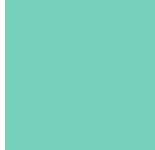
Original Color
78, 59.808, 146.495



Protanomaly
77, 41.972, 122.653



Deuteranomaly
77, 33.084, 115.556



Tritanomaly
78, 31.509, 177.122

Monochromacy



Original Color
78, 59.808, 146.495



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 23.059, 149.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 59.808, 146.495 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(105, 215, 129)` looks like.

```
.text, #text, p{  
    color:rgb(105, 215, 129)  
}
```

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(105, 215, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 215, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 59.808, 146.495 is called "border". The border property can be set on classes, ids or directly on the HTML element.

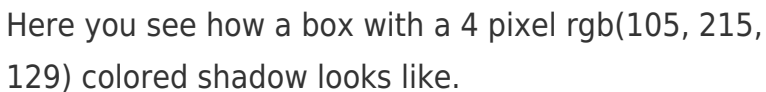
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 215, 129) }
```

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

```
.border{ border-color:rgb(105, 215, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 215, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 215, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 215, 129);  
box-shadow:4px 4px 4px 4px rgb(105, 215,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 59.808, 146.495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 215, 129) }
```

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

```
.background{ background-color: rgb(105,  
215, 129) }
```

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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