

Converting Colors

CIELCh(77, 46.118, 156.656)

Have a look what the booklet for
CIELCh(77, 46.118, 156.656)
contains.

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Color

CIELCh(77, 46.059, 156.623)

Conversions

Conversions Part 1

Format	Color
Hex	6CD29B
RGB	108, 210, 155
RGB Percent	42%, 82%, 61%
CMY	0.5772, 0.1772, 0.3929
CMYK	0.49, 0.00, 0.26, 0.18
HSL	148°, 53%, 62%
HSV	148°, 49%, 82%
XYZ	35.0591, 51.5317, 39.0277
YIQ	173.2320, -43.1370, -38.7290

Conversions

Conversions Part 2

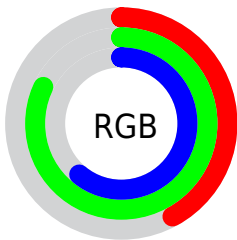
Format	Color
RYB	108, 178, 210
Decimal	7131803
CIELab	77.00, -42.28, 18.28
CIELCh	77, 46.059, 156.623
Yxy	51.5317, 0.2791, 0.4102
Android (android.graphics.Color)	4285321883 (0xFF6CD29B)
YUV	173.2320, -8.9884, -57.2085
Hunter-Lab	71.7856, -38.4479, 18.0157

Details

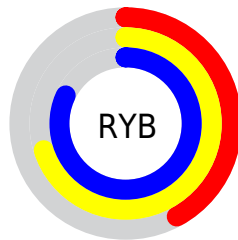
The CIELCh color **77, 46.059, 156.623** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **59, 48.005, 346.472**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 38.628, 160.221**, and **57, 46.035, 156.718** is the 20% darker color. If you saturate the color by 10%, you get **76, 54.414, 155.163**, and if you desaturate by 10%, it is **78, 37.116, 157.906**.

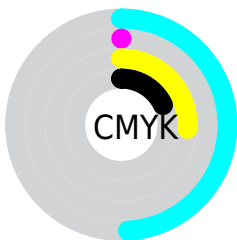
Distribution



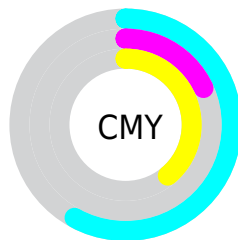
- Red (42%)
- Green (82%)
- Blue (61%)



- Red (42%)
- Yellow (70%)
- Blue (82%)



- Cyan (49%)
- Magenta (0%)
- Yellow (26%)
- Black (18%)



- Cyan (58%)
- Magenta (18%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 46.059, 156.623 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 77, 46.059, 156.623 by changing the saturation by 10% instead.

 77, 46.059,
156.623

 77, 46.059,
156.623


 100, 46.059,
156.623


 67, 46.059,
156.623


 97, 46.059,
156.623

 57, 46.059,
156.623

 47, 46.059,
156.623

 37, 46.059,
156.623

 27, 46.059,
156.623

 17, 46.059,
156.623

 7, 46.059, 156.623

■ 0, 46.059, 156.623

■ 77, 46.059,
156.623

■ 77, 46.059,
156.623

■ 76, 54.414,
155.163

■ 78, 37.116,
157.906

■ 75, 62.024,
153.505

■ 79, 27.750,
159.037

■ 75, 68.776,
151.637

■ 81, 18.125,
160.043

■ 74, 74.621,
149.564

■ 83, 8.385, 160.957

■ 74, 79.633,
147.350

■ 84, 1.350, 341.406

■ 86, 10.984,
342.393

■ 74, 80.294,
147.055

■ 89, 20.449,

343.069

■ 89, 24.429,
332.173

■ 89, 28.330,
325.411

Harmonies

Complementary

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



77, 46.059, 156.623



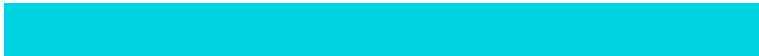
59, 48.005, 346.472

Rectangle

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



77, 46.059, 156.623



77, 46.059, 206.623



77, 46.059, 336.623



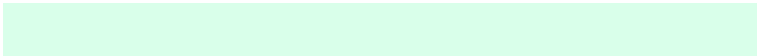
77, 46.059, 26.623

Sweetspot

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



77, 46.060, 156.623



97, 17.114, 160.365



79, 55.468, 124.995



51, 11.674, 160.167



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 46.060, 156.623



91, 63.071, 155.157



78, 31.638, 192.148



43, 5.507, 160.887



60, 67.598, 147.435



13, 23.151, 152.952

Inverse Universe

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



59, 48.005, 346.472



66, 65.634, 347.956



58, 43.526, 21.221



41, 5.567, 342.315



36, 62.675, 358.045



5, 22.238, 351.384

Previews

White Background



This preview shows how the CIELCh color 77, 46.059, 156.623 looks on a white background.

Color Contrast Check

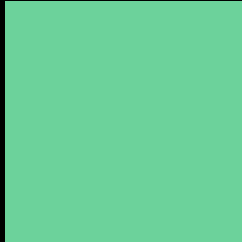
Large Text (above 18pt) WCAG AA × Fail

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 77, 46.059, 156.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

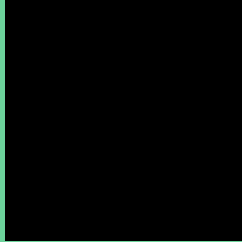
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 46.059, 156.623

Background



This preview shows how black text looks on a background with the CIELCh color 77, 46.059, 156.623.



This preview shows how white text looks on a background with the CIELCh color 77, 46.059, 156.623.

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

77, 46.059, 156.623

Protanopia

77, 24.046, 95.304

Deuteranopia

77, 18.053, 58.450



Tritanopia
77, 25.224, 217.894

Trichromacy



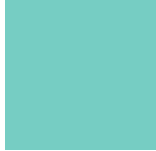
Original Color
77, 46.059, 156.623



Protanomaly
76, 27.953, 131.539



Deuteranomaly
76, 18.601, 126.668

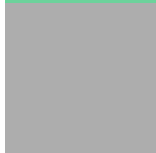


Tritanomaly
77, 28.814, 186.467

Monochromacy



Original Color
77, 46.059, 156.623



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 17.575, 159.864

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 46.059, 156.623 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(108, 210, 155)` looks like.

```
.text, #text, p{  
    color:rgb(108, 210, 155)  
}
```

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(108, 210, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 210, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 46.059, 156.623 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(108, 210, 155) }
```

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

```
.border{ border-color:rgb(108, 210, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 210, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 210, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 210, 155);  
box-shadow:4px 4px 4px 4px rgb(108, 210,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 46.059, 156.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 210, 155) }
```

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

```
.background{ background-color: rgb(108,  
210, 155) }
```

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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