

Converting Colors

CIELCh(77, 46.075, 160.474)

Have a look what the booklet for
CIELCh(77, 46.075, 160.474)
contains.

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Color

CIELCh(77, 45.829, 160.467)

Conversions

Conversions Part 1

Format	Color
Hex	64D2A0
RGB	100, 210, 160
RGB Percent	39%, 82%, 63%
CMY	0.6065, 0.1752, 0.3713
CMYK	0.52, 0.00, 0.24, 0.18
HSL	153°, 55%, 61%
HSV	153°, 52%, 82%
XYZ	34.7919, 51.5317, 41.5117
YIQ	171.4100, -49.5100, -38.8700

Conversions

Conversions Part 2

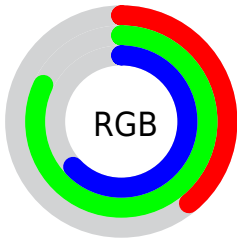
Format	Color
RYB	100, 171, 210
Decimal	6607520
CIELab	77.00, -43.19, 15.32
CIELCh	77, 45.829, 160.467
Yxy	51.5317, 0.2722, 0.4031
Android (android.graphics.Color)	4284797600 (0xFF64D2A0)
YUV	171.4100, -5.6251, -62.6266
Hunter-Lab	71.7856, -39.1123, 15.9641

Details

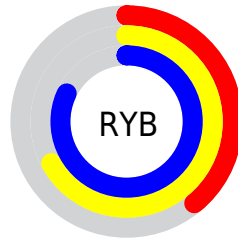
The CIELCh color **77, 45.829, 160.467** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **57, 49.279, 352.270**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.633, 164.749**, and **57, 46.167, 160.166** is the 20% darker color. If you saturate the color by 10%, you get **76, 53.197, 158.922**, and if you desaturate by 10%, it is **78, 37.804, 161.833**.

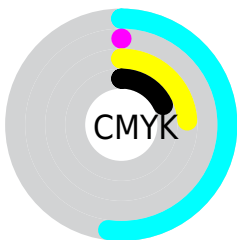
Distribution



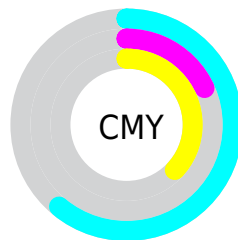
- Red (39%)
- Green (82%)
- Blue (63%)



- Red (39%)
- Yellow (67%)
- Blue (82%)



- Cyan (52%)
- Magenta (0%)
- Yellow (24%)
- Black (18%)



- Cyan (61%)
- Magenta (18%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 45.829, 160.467 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, 45.829, 160.467 by changing the saturation by 10% instead.


 77, 45.829,
160.467

 77, 45.829,
160.467

 100, 45.829,
160.467


 67, 45.829,
160.467

 97, 45.829,
160.467

 57, 45.829,
160.467

 47, 45.829,
160.467

 37, 45.829,
160.467

 27, 45.829,
160.467

 17, 45.829,
160.467

 7, 45.829, 160.467

■ 0, 45.829, 160.467

■ 77, 45.829,
160.467

■ 77, 45.829,
160.467

■ 76, 53.197,
158.922

■ 78, 37.804,
161.833

■ 76, 59.783,
157.178

■ 79, 29.269,
163.047

■ 75, 65.515,
155.220

■ 81, 20.380,
164.135

■ 75, 70.395,
153.055

■ 82, 11.282,
165.125

■ 75, 73.708,
151.318

■ 84, 2.101, 166.178

■ 86, 7.059, 346.715

■ 88, 16.119,

347.495

■ 89, 21.110,
340.322

■ 89, 24.519,
331.366

Harmonies

Complementary

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



77, 45.829, 160.467



57, 49.279, 352.270

Rectangle

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



77, 45.829, 160.467



77, 45.829, 210.467



77, 45.829, 340.467



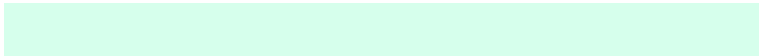
77, 45.829, 30.467

Sweetspot

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



77, 45.830, 160.466



97, 17.148, 164.750



78, 60.830, 127.839



51, 11.568, 164.545



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, 45.830, 160.466



90, 62.639, 158.690



77, 31.596, 200.786



43, 5.183, 165.401



61, 61.957, 151.709



13, 21.416, 157.129

Inverse Universe

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



57, 49.279, 352.270



63, 67.534, 354.481



57, 46.885, 27.656



41, 5.262, 346.931



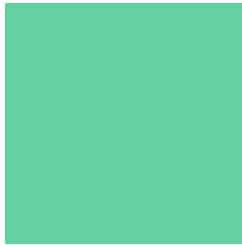
36, 61.849, 5.985



5, 21.397, 356.813

Previews

White Background



This preview shows how the CIELCh color 77, 45.829, 160.467 looks on a white background.

Color Contrast Check

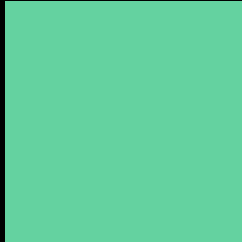
Large Text (above 18pt) WCAG AA × Fail

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, 45.829, 160.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

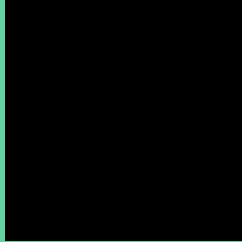
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 45.829, 160.467

Background



This preview shows how black text looks on a background with the CIELCh color 77, 45.829, 160.467.

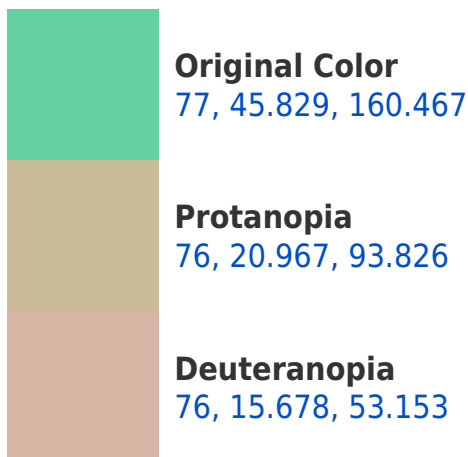


This preview shows how white text looks on a background with the CIELCh color 77, 45.829, 160.467.

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
77, 27.072, 216.343

Trichromacy



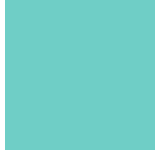
Original Color
77, 45.829, 160.467



Protanomaly
76, 25.637, 136.639



Deuteranomaly
76, 16.714, 134.428

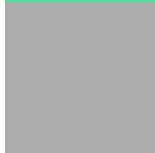


Tritanomaly
77, 30.440, 189.006

Monochromacy



Original Color
77, 45.829, 160.467



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 17.734, 164.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 45.829, 160.467 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, 210, 160)` looks like.

```
.text, #text, p{  
    color:rgb(100, 210, 160)  
}
```

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, 210, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 210, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 45.829, 160.467 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, 210, 160) }
```

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

```
.border{ border-color:rgb(100, 210, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 210, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 210, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 210, 160);  
box-shadow:4px 4px 4px 4px rgb(100, 210,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 45.829, 160.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 210, 160) }
```

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

```
.background{ background-color: rgb(100,  
210, 160) }
```

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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