

Converting Colors

CIELCh(77, 60.695, 152.460)

Have a look what the booklet for
CIELCh(77, 60.695, 152.460)
contains.

CIELCh(77, 60.721, 152.525)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 60.721, 152.525)

Conversions

Conversions Part 1

Format	Color
Hex	50D688
RGB	80, 214, 136
RGB Percent	31%, 84%, 53%
CMY	0.6866, 0.1611, 0.4669
CMYK	0.63, 0.00, 0.36, 0.16
HSL	145°, 62%, 58%
HSV	145°, 63%, 84%
XYZ	31.7671, 51.5317, 31.5391
YIQ	165.0420, -54.8260, -52.6660

Conversions

Conversions Part 2

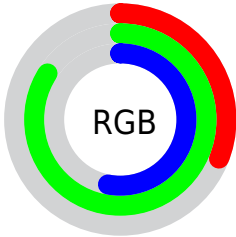
Format	Color
RYB	80, 175, 214
Decimal	5297800
CIELab	77.00, -53.87, 28.01
CIELCh	77, 60.721, 152.525
Yxy	51.5317, 0.2766, 0.4487
Android (android.graphics.Color)	4283487880 (0xFF50D688)
YUV	165.0420, -14.3177, -74.5818
Hunter-Lab	71.7856, -46.6336, 24.2008

Details

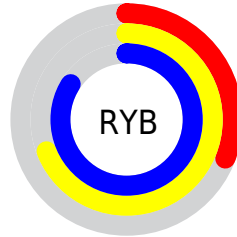
The CIELCh color **77, 60.721, 152.525** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **55, 62.060, 345.991**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 51.200, 155.609**, and **57, 59.461, 151.435** is the 20% darker color. If you saturate the color by 10%, you get **76, 68.462, 150.796**, and if you desaturate by 10%, it is **78, 52.153, 154.050**.

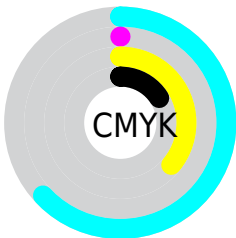
Distribution



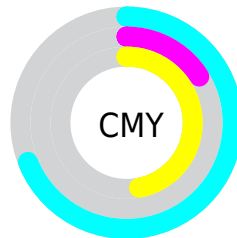
- Red (31%)
- Green (84%)
- Blue (53%)



- Red (31%)
- Yellow (69%)
- Blue (84%)



- Cyan (63%)
- Magenta (0%)
- Yellow (36%)
- Black (16%)





- Cyan (69%)
- Magenta (16%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 60.721, 152.525 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, 60.721, 152.525 by changing the saturation by 10% instead.


 77, 60.721,
152.525

 77, 60.721,
152.525


 100, 60.721,
152.525


 67, 60.721,
152.525


 97, 60.721,
152.525

 57, 60.721,
152.525

 47, 60.721,
152.525

 37, 60.721,
152.525

 27, 60.721,
152.525

 17, 60.721,
152.525

 7, 60.721, 152.525

0, 60.721, 152.525

77, 60.721,
152.525

77, 60.721,
152.525

76, 68.462,
150.796

78, 52.153,
154.050

76, 75.268,
148.861

79, 42.912,
155.387

75, 81.105,
146.744

80, 33.176,
156.559

75, 84.883,
145.154

82, 23.123,
157.590

83, 12.915,
158.510

85, 2.686, 159.432

■ 87, 7.455, 339.953

■ 89, 17.426,
340.634

■ 90, 22.880,
330.509

Harmonies

Complementary

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



77, 60.721, 152.525



55, 62.060, 345.991

Rectangle

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



77, 60.721, 152.525



77, 60.721, 202.525



77, 60.721, 332.525



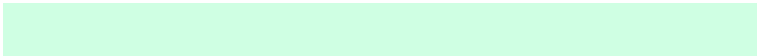
77, 60.721, 22.525

Sweetspot

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



77, 60.722, 152.525



96, 22.386, 157.919



80, 70.130, 123.298



51, 15.400, 157.645



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, 60.722, 152.525



89, 80.697, 150.216



78, 39.068, 187.776



44, 5.798, 158.790



61, 71.207, 145.527



14, 25.126, 150.624

Inverse Universe

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



55, 62.060, 345.991



60, 80.346, 348.329



53, 57.765, 22.367



42, 5.849, 340.169



37, 64.308, 354.255



5, 24.523, 348.587

Previews

White Background



This preview shows how the CIELCh color 77, 60.721, 152.525 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, 60.721, 152.525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

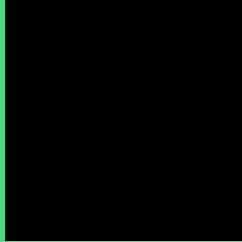
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 60.721, 152.525

Background



This preview shows how black text looks on a background with the CIELCh color 77, 60.721, 152.525.

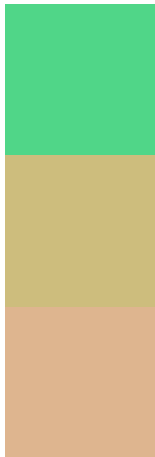


This preview shows how white text looks on a background with the CIELCh color 77, 60.721, 152.525.

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, 60.721, 152.525

Protanopia
77, 34.576, 95.807

Deuteranopia
76, 26.727, 69.006



Tritanopia
77, 29.461, 214.620

Trichromacy



Original Color
77, 60.721, 152.525



Protanomaly
76, 39.439, 129.222



Deuteranomaly
75, 29.649, 125.399



Tritanomaly
77, 36.335, 180.349

Monochromacy



Original Color
77, 60.721, 152.525



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 24.236, 156.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 60.721, 152.525 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(80, 214, 136)` looks like.

```
.text, #text, p{  
    color:rgb(80, 214, 136)  
}
```

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(80, 214, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 214, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 60.721, 152.525 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(80, 214, 136) }
```

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

```
.border{ border-color:rgb(80, 214, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 214, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 214, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 214, 136);  
box-shadow:4px 4px 4px 4px rgb(80, 214,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 60.721, 152.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 214, 136) }
```

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

```
.background{ background-color: rgb(80, 214,  
136) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor