

Converting Colors

CIELCh(77, 82.718, 126.266)

Have a look what the booklet for
CIELCh(77, 82.718, 126.266)
contains.

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Color

CIELCh(77, 82.679, 126.274)

Conversions

Conversions Part 1

Format	Color
Hex	83D332
RGB	131, 211, 50
RGB Percent	51%, 83%, 20%
CMY	0.4870, 0.1733, 0.8047
CMYK	0.38, 0.00, 0.76, 0.17
HSL	90°, 65%, 51%
HSV	90°, 76%, 83%
XYZ	33.1477, 51.5317, 11.1928
YIQ	168.7260, 4.0010, -67.0310

Conversions

Conversions Part 2

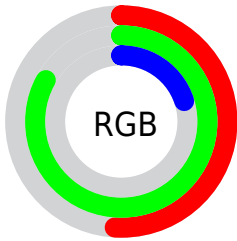
Format	Color
RYB	50, 211, 130
Decimal	8639282
CIELab	77.00, -48.92, 66.66
CIELCh	77, 82.679, 126.274
Yxy	51.5317, 0.3457, 0.5375
Android (android.graphics.Color)	4286829362 (0xFF83D332)
YUV	168.7260, -58.5319, -33.0857
Hunter-Lab	71.7856, -43.2007, 41.0054

Details

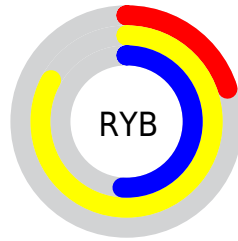
The CIELCh color **77, 82.679, 126.274** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **41, 92.896, 312.474**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 75.808, 124.624**, and **57, 76.334, 129.049** is the 20% darker color. If you saturate the color by 10%, you get **76, 89.113, 126.740**, and if you desaturate by 10%, it is **78, 74.340, 126.213**.

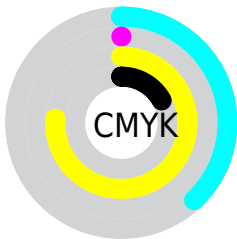
Distribution



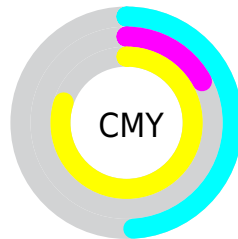
- Red (51%)
- Green (83%)
- Blue (20%)



- Red (20%)
- Yellow (83%)
- Blue (51%)



- Cyan (38%)
- Magenta (0%)
- Yellow (76%)
- Black (17%)



- Cyan (49%)
- Magenta (17%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 82.679, 126.274 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, 82.679, 126.274 by changing the saturation by 10% instead.

 77, 82.679,
126.274

 77, 82.679,
126.274


 100, 82.679,
126.274

 67, 82.679,
126.274


 97, 82.679,
126.274

 57, 82.679,
126.274

 47, 82.679,
126.274

 37, 82.679,
126.274

 27, 82.679,
126.274

 17, 82.679,
126.274

 7, 82.679, 126.274

■ 0, 82.679, 126.274

■ 77, 82.679,
126.274

■ 77, 82.679,
126.274

■ 76, 89.113,
126.740

■ 78, 74.340,
126.213

■ 76, 93.330,
127.695

■ 78, 64.601,
126.424

■ 76, 94.542,
128.085

■ 79, 53.927,
126.798

■ 80, 42.670,
127.254

■ 81, 31.076,
127.740

■ 82, 19.317,
128.225

■ 84, 7.510, 128.696

■ 85, 4.261, 309.083

■ 86, 15.938,
309.499

Harmonies

Complementary

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



77, 82.679, 126.274



41, 92.896, 312.474

Rectangle

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



77, 82.679, 126.274



77, 82.679, 176.274



77, 82.679, 306.274



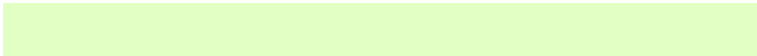
77, 82.679, 356.274

Sweetspot

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



77, 82.679, 126.275



97, 31.637, 127.893



61, 59.582, 63.989



51, 21.880, 127.714



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 82.679, 126.275



90, 106.372, 127.319



74, 93.361, 137.259



43, 6.640, 128.555



62, 79.747, 127.826



14, 26.132, 129.527

Inverse Universe

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



41, 92.896, 312.474



43, 121.482, 312.141



52, 91.430, 327.377



41, 6.731, 309.370



26, 91.405, 311.905



3, 26.725, 307.360

Previews

White Background



This preview shows how the CIELCh color 77, 82.679, 126.274 looks on a white background.

Color Contrast Check

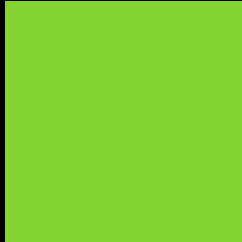
Large Text (above 18pt) WCAG AA × Fail

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, 82.679, 126.274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

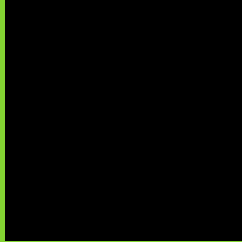
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 82.679, 126.274

Background



This preview shows how black text looks on a background with the CIELCh color 77, 82.679, 126.274.



This preview shows how white text looks on a background with the CIELCh color 77, 82.679, 126.274.

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, 82.679, 126.274

Protanopia
77, 70.569, 95.238

Deuteranopia
77, 64.991, 81.687



Tritanopia
77, 16.417, 230.294

Trichromacy



Original Color
77, 82.679, 126.274

Protanomaly
76, 72.295, 108.720

Deuteranomaly
76, 65.507, 101.290

Tritanomaly
76, 33.231, 146.603

Monochromacy



Original Color
77, 82.679, 126.274

Achromatopsia
69, 0.009, 296.813

Achromatomaly
71, 33.214, 127.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 82.679, 126.274 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(131, 211, 50)` looks like.

```
.text, #text, p{  
    color:rgb(131, 211, 50)  
}
```

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(131, 211, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 211, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 82.679, 126.274 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(131, 211, 50) }
```

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

```
.border{ border-color:rgb(131, 211, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 211, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 211, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 211, 50);  
box-shadow:4px 4px 4px 4px rgb(131, 211,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 82.679, 126.274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 211, 50) }
```

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

```
.background{ background-color: rgb(131,  
211, 50) }
```

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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