

Converting Colors

CIELCh(72, 80.152, 126.995)

Have a look what the booklet for
CIELCh(72, 80.152, 126.995)
contains.

CIELCh(72, 80.401, 126.988)	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(72, 80.401, 126.988)

Conversions

Conversions Part 1

Format	Color
Hex	75C52A
RGB	117, 197, 42
RGB Percent	46%, 77%, 16%
CMY	0.5429, 0.2291, 0.8372
CMYK	0.41, 0.00, 0.79, 0.23
HSL	91°, 65%, 47%
HSV	91°, 79%, 77%
XYZ	27.5591, 43.6590, 9.1188
YIQ	155.4100, 2.0750, -65.1650

Conversions

Conversions Part 2

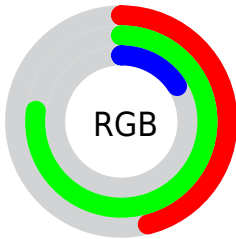
Format	Color
RYB	42, 197, 122
Decimal	7718186
CIELab	72.00, -48.37, 64.22
CIELCh	72, 80.401, 126.988
Yxy	43.6590, 0.3430, 0.5434
Android (android.graphics.Color)	4285908266 (0xFF75C52A)
YUV	155.4100, -55.9111, -33.6856
Hunter-Lab	66.0750, -41.1809, 38.0701

Details

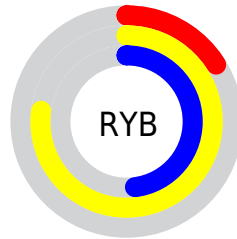
The CIELCh color **72, 80.401, 126.988** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **37, 89.911, 312.985**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 80.370, 126.859**, and **52, 72.304, 130.423** is the 20% darker color. If you saturate the color by 10%, you get **71, 86.096, 127.540**, and if you desaturate by 10%, it is **73, 72.818, 126.861**.

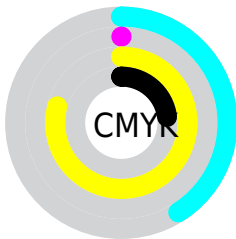
Distribution



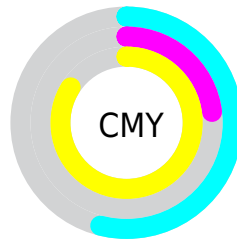
- Red (46%)
- Green (77%)
- Blue (16%)



- Red (16%)
- Yellow (77%)
- Blue (48%)



- Cyan (41%)
- Magenta (0%)
- Yellow (79%)
- Black (23%)





- Cyan (54%)
- Magenta (23%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 80.401, 126.988 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 72, 80.401, 126.988 by changing the saturation by 10% instead.


 72, 80.401,
126.988


 72, 80.401,
126.988


 100, 80.401,
126.988

 62, 80.401,
126.988


 92, 80.401,
126.988

 52, 80.401,
126.988

 42, 80.401,
126.988

 32, 80.401,
126.988

 22, 80.401,
126.988

 12, 80.401,
126.988

 2, 80.401, 126.988

■ 0, 80.401, 126.988

■ 72, 80.401,
126.988

■ 72, 80.401,
126.988

■ 71, 86.096,
127.540

■ 73, 72.818,
126.861

■ 71, 89.837,
128.524

■ 73, 63.810,
127.030

■ 71, 90.213,
128.633

■ 74, 53.831,
127.379

■ 75, 43.236,
127.822

■ 76, 32.279,
128.302

■ 77, 21.137,
128.785

■ 78, 9.930, 129.253

■ 80, 1.254, 309.574

■ 81, 12.356,
310.057

Harmonies

Complementary

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



72, 80.401, 126.988



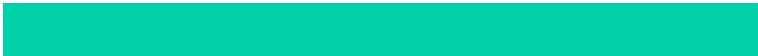
37, 89.911, 312.985

Rectangle

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



72, 80.401, 126.988



72, 80.401, 176.988



72, 80.401, 306.988



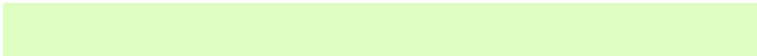
72, 80.401, 356.988

Sweetspot

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



72, 80.401, 126.989



96, 33.164, 128.521



57, 58.073, 65.137



51, 22.765, 128.346



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 80.401, 126.989



90, 108.252, 128.287



70, 90.285, 137.243



41, 6.400, 129.229



60, 78.404, 128.410



12, 23.006, 132.012

Inverse Universe

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



37, 89.911, 312.985



43, 122.548, 312.404



49, 88.102, 327.982



39, 6.484, 310.025



25, 88.967, 312.373



2, 22.435, 306.507

Previews

White Background



This preview shows how the CIELCh color 72, 80.401, 126.988 looks on a white background.

Color Contrast Check

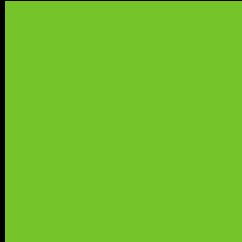
Large Text (above 18pt) WCAG AA × Fail

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 72, 80.401, 126.988 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 72, 80.401, 126.988

Background



This preview shows how black text looks on a background with the CIELCh color 72, 80.401, 126.988.



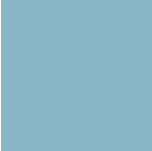
This preview shows how white text looks on a background with the CIELCh color 72, 80.401, 126.988.

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
72, 16.825, 227.646

Trichromacy



Original Color
72, 80.401, 126.988

Protanomaly
71, 69.312, 108.924

Deuteranomaly
71, 62.992, 102.277

Tritanomaly
71, 33.661, 147.845

Monochromacy



Original Color
72, 80.401, 126.988

Achromatopsia
64, 0.008, 296.813

Achromatomaly
66, 32.675, 128.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 80.401, 126.988 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(117, 197, 42)` looks like.

```
.text, #text, p{  
    color:rgb(117, 197, 42)  
}
```

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(117, 197, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 197, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 80.401, 126.988 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(117, 197, 42) }
```

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

```
.border{ border-color:rgb(117, 197, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 197, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 197, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 197, 42);  
box-shadow:4px 4px 4px 4px rgb(117, 197,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 80.401, 126.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 197, 42) }
```

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

```
.background{ background-color: rgb(117,  
197, 42) }
```

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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