

Converting Colors

CIELCh(76, 52.831, 120.391)

Have a look what the booklet for
CIELCh(76, 52.831, 120.391)
contains.

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Color

CIELCh(76, 52.831, 120.391)

Conversions

Conversions Part 1

Format	Color
Hex	A6C764
RGB	166, 199, 100
RGB Percent	65%, 78%, 39%
CMY	0.3489, 0.2195, 0.6078
CMYK	0.17, 0.00, 0.50, 0.22
HSL	80°, 47%, 59%
HSV	80°, 50%, 78%
XYZ	38.4606, 49.8872, 19.6639
YIQ	177.8470, 12.1110, -37.7850

Conversions

Conversions Part 2

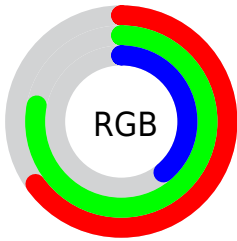
Format	Color
RYB	100, 199, 133
Decimal	10930020
CIELab	76.00, -26.73, 45.57
CIElCh	76, 52.831, 120.391
Yxy	49.8872, 0.3561, 0.4619
Android (android.graphics.Color)	4289120100 (0xFFA6C764)
YUV	177.8470, -38.3786, -10.3898
Hunter-Lab	70.6309, -26.4056, 32.9350

Details

The CIELCh color **76, 52.831, 120.391** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **50, 58.615, 306.540**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 52.333, 120.034**, and **56, 52.786, 120.346** is the 20% darker color. If you saturate the color by 10%, you get **75, 62.279, 120.026**, and if you desaturate by 10%, it is **77, 42.722, 120.874**.

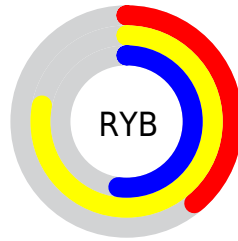
Distribution



Red (65%)

Green (78%)

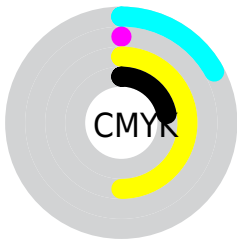
Blue (39%)



Red (39%)

Yellow (78%)

Blue (52%)

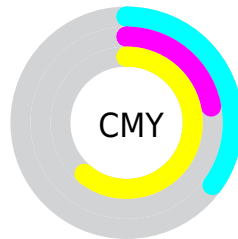


Cyan (17%)

Magenta (0%)

Yellow (50%)

Black (22%)



Cyan (35%)


Magenta (22%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 52.831, 120.391 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 76, 52.831, 120.391 by changing the saturation by 10% instead.


 76, 52.831,
120.391


 76, 52.831,
120.391


 100, 52.831,
120.391


 66, 52.831,
120.391


 96, 52.831,
120.391

 56, 52.831,
120.391

 46, 52.831,
120.391

 36, 52.831,
120.391

 26, 52.831,
120.391

 16, 52.831,
120.391

 6, 52.831, 120.391

0, 52.831, 120.391

76, 52.831,
120.391

76, 52.831,
120.391

75, 62.279,
120.026

77, 42.722,
120.874

75, 70.695,
119.856

77, 32.206,
121.414

74, 77.615,
119.990

78, 21.460,
121.974

74, 82.586,
120.542

79, 10.601,
122.532

73, 85.671,
121.505

80, 0.288, 302.854

73, 85.744,
121.530

81, 11.153,
303.566

■ 82, 21.952,
304.046

■ 84, 30.480,
305.276

■ 84, 31.030,
309.343

Harmonies

Complementary

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



76, 52.831, 120.391



50, 58.615, 306.540

Rectangle

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



76, 52.831, 120.391



76, 52.831, 170.391



76, 52.831, 300.391



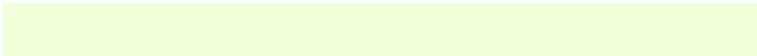
76, 52.831, 350.391

Sweetspot

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



76, 52.832, 120.393



98, 19.952, 122.227



62, 35.465, 52.351



52, 13.608, 122.108



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 52.832, 120.393



94, 76.280, 119.995



73, 60.683, 136.758



42, 6.166, 122.552



61, 73.889, 121.310



12, 21.574, 124.377

Inverse Universe

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



50, 58.615, 306.540



56, 87.177, 307.466



55, 61.557, 321.941



39, 6.277, 303.567



22, 92.340, 308.877



2, 21.873, 300.520

Previews

White Background



This preview shows how the CIELCh color 76, 52.831, 120.391 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 CIE LCh color 76, 52.831, 120.391 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 76, 52.831, 120.391

Background



This preview shows how black text looks on a background with the CIELCh color 76, 52.831, 120.391.



This preview shows how white text looks on a background with the CIELCh color 76, 52.831, 120.391.

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
76, 52.831, 120.391

Protanopia
76, 48.227, 95.806

Deuteranopia
76, 44.995, 77.499



Tritanopia
76, 8.616, 269.274

Trichromacy



Original Color
76, 52.831, 120.391

Protanomaly
76, 48.744, 105.541

Deuteranomaly
75, 44.408, 95.379

Tritanomaly
76, 15.576, 134.912

Monochromacy



Original Color
76, 52.831, 120.391

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 19.912, 121.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 52.831, 120.391 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(166, 199, 100)` looks like.

```
.text, #text, p{  
    color:rgb(166, 199, 100)  
}
```

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(166, 199, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 199, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 52.831, 120.391 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(166, 199, 100) }
```

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

```
.border{ border-color:rgb(166, 199, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 199, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 199, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 199, 100);  
box-shadow:4px 4px 4px 4px rgb(166, 199,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 52.831, 120.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 199, 100) }
```

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

```
.background{ background-color: rgb(166,  
199, 100) }
```

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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