

Converting Colors

CIELCh(76, 94.741, 127.996)

Have a look what the booklet for
CIELCh(76, 94.741, 127.996)
contains.

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Color

CIELCh(76, 94.482, 127.953)

Conversions

Conversions Part 1

Format	Color
Hex	6BD301
RGB	107, 211, 1
RGB Percent	42%, 83%, 0%
CMY	0.5791, 0.1713, 0.9963
CMYK	0.49, 0.00, 1.00, 0.17
HSL	90°, 99%, 42%
HSV	90°, 100%, 83%
XYZ	29.4773, 49.8872, 8.1016
YIQ	155.9640, 5.4260, -87.3580

Conversions

Conversions Part 2

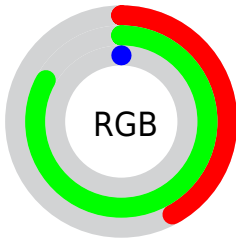
Format	Color
RYB	1, 211, 105
Decimal	7066369
CIELab	76.00, -58.11, 74.50
CIELCh	76, 94.482, 127.953
Yxy	49.8872, 0.3370, 0.5704
Android (android.graphics.Color)	4285256449 (0xFF6BD301)
YUV	155.9640, -76.3973, -42.9414
Hunter-Lab	70.6309, -49.1083, 42.6409

Details

The CIELCh color **76, 94.482, 127.953** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **33, 108.335, 311.690**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 87.729, 126.818**, and **56, 80.304, 133.903** is the 20% darker color. If you saturate the color by 10%, you get **76, 94.629, 128.000**, and if you desaturate by 10%, it is **76, 90.786, 126.902**.

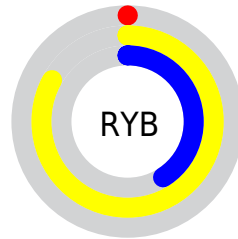
Distribution



Red (42%)

Green (83%)

Blue (0%)



Red (0%)

Yellow (83%)

Blue (41%)

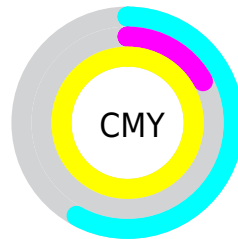


Cyan (49%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (58%)


Magenta (17%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 94.482, 127.953 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, 94.482, 127.953 by changing the saturation by 10% instead.


 76, 94.482,
127.953


 76, 94.482,
127.953


 100, 94.482,
127.953


 66, 94.482,
127.953


 96, 94.482,
127.953

 56, 94.482,
127.953

 46, 94.482,
127.953

 36, 94.482,
127.953

 26, 94.482,
127.953

 16, 94.482,
127.953

 6, 94.482, 127.953

■ 0, 94.482, 127.953

■ 76, 94.482,
127.953

■ 76, 94.482,
127.953

■ 76, 94.629,
128.000

■ 76, 90.786,
126.902

■ 77, 85.043,
126.283

■ 78, 77.253,
126.105

■ 78, 67.896,
126.241

■ 79, 57.465,
126.573

■ 80, 46.349,
127.009

■ 81, 34.828,
127.490

■ 82, 23.093,
127.978

■ 83, 11.276,
128.455

Harmonies

Complementary

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



76, 94.482, 127.953



33, 108.335, 311.690

Rectangle

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



76, 94.482, 127.953



76, 94.482, 177.953



76, 94.482, 307.953



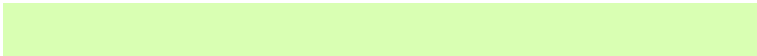
76, 94.482, 357.953

Sweetspot

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



76, 94.482, 127.954



96, 41.159, 127.453



56, 74.427, 58.977



51, 28.024, 127.246



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, 94.482, 127.954



90, 109.233, 128.177



74, 103.762, 135.973



44, 6.636, 128.462



62, 79.679, 127.739



14, 26.109, 129.431

Inverse Universe

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



33, 108.335, 311.690



41, 125.208, 311.545



50, 100.280, 327.568



41, 6.728, 309.280



26, 91.457, 311.846



3, 26.711, 307.260

Previews

White Background



This preview shows how the CIELCh color 76, 94.482, 127.953 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 76, 94.482, 127.953 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, 94.482, 127.953

Background



This preview shows how black text looks on a background with the CIELCh color 76, 94.482, 127.953.



This preview shows how white text looks on a background with the CIELCh color 76, 94.482, 127.953.

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



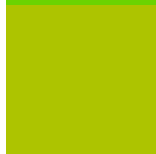


Tritanopia
76, 21.066, 222.456

Trichromacy



Original Color
76, 94.396, 127.982



Protanomaly
75, 80.271, 110.019



Deuteranomaly
74, 73.477, 103.545



Tritanomaly
75, 45.866, 145.218

Monochromacy



Original Color
76, 94.396, 127.982



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 43.553, 127.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 94.482, 127.953 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(107, 211, 1)` looks like.

```
.text, #text, p{  
    color:rgb(107, 211, 1)  
}
```

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(107, 211, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 211, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 94.482, 127.953 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(107, 211, 1) }
```

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

```
.border{ border-color:rgb(107, 211, 1) }
```

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

Here you see how a box with a 4 pixel rgb(107, 211, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 211, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 211, 1);  
box-shadow:4px 4px 4px 4px rgb(107, 211,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 94.482, 127.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 211, 1) }
```

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

```
.background{ background-color: rgb(107,  
211, 1) }
```

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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