

Converting Colors

CIELCh(76, 89.492, 131.887)

Have a look what the booklet for
CIELCh(76, 89.492, 131.887)
contains.

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Color

CIELCh(76, 89.488, 131.844)

Conversions

Conversions Part 1

Format	Color
Hex	62D42D
RGB	98, 212, 45
RGB Percent	38%, 83%, 18%
CMY	0.6156, 0.1685, 0.8234
CMYK	0.54, 0.00, 0.79, 0.17
HSL	101°, 66%, 50%
HSV	101°, 79%, 83%
XYZ	29.0638, 49.8872, 10.5828
YIQ	158.8760, -14.3370, -76.1050

Conversions

Conversions Part 2

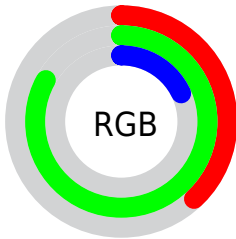
Format	Color
RYB	45, 212, 159
Decimal	6476845
CIELab	76.00, -59.70, 66.67
CIELCh	76, 89.488, 131.844
Yxy	49.8872, 0.3246, 0.5572
Android (android.graphics.Color)	4284666925 (0xFF62D42D)
YUV	158.8760, -56.1409, -53.3883
Hunter-Lab	70.6309, -50.1533, 40.5581

Details

The CIELCh color **76, 89.488, 131.844** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark washed chartreuse. A complement of this color would be **44, 94.032, 317.692**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 81.853, 130.864**, and **56, 82.071, 135.210** is the 20% darker color. If you saturate the color by 10%, you get **75, 95.742, 132.152**, and if you desaturate by 10%, it is **77, 81.088, 131.926**.

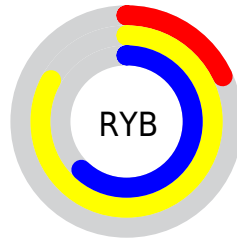
Distribution



Red (38%)

Green (83%)

Blue (18%)



Red (18%)

Yellow (83%)

Blue (62%)

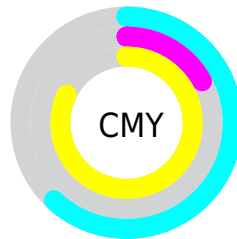


Cyan (54%)

Magenta (0%)

Yellow (79%)

Black (17%)



Cyan (62%)

Magenta (17%)


Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 89.488, 131.844 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, 89.488, 131.844 by changing the saturation by 10% instead.


 76, 89.488,
131.844

 76, 89.488,
131.844

 100, 89.488,
131.844


 66, 89.488,
131.844


 96, 89.488,
131.844

 56, 89.488,
131.844

 46, 89.488,
131.844

 36, 89.488,
131.844

 26, 89.488,
131.844

 16, 89.488,
131.844

 6, 89.488, 131.844

0, 89.488, 131.844

76, 89.488,
131.844

76, 89.488,
131.844

75, 95.742,
132.152

77, 81.088,
131.926

75, 99.713,
132.860

77, 71.058,
132.268

75, 100.133,
132.943

78, 59.914,
132.752

79, 48.063,
133.291

81, 35.806,
133.833

82, 23.357,
134.349

■ 84, 10.871,
134.828

■ 85, 1.542, 315.114

■ 87, 13.806,
315.592

Harmonies

Complementary

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



76, 89.488, 131.844



44, 94.032, 317.692

Rectangle

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



76, 89.488, 131.844



76, 89.488, 181.844



76, 89.488, 311.844



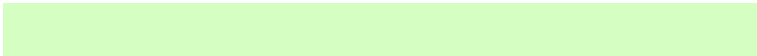
76, 89.488, 1.844

Sweetspot

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



76, 89.488, 131.845



96, 34.722, 134.070



68, 63.043, 80.002



51, 23.846, 133.881



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, 89.488, 131.845



89, 113.515, 132.657



75, 87.637, 140.877



44, 7.104, 134.797



62, 85.050, 132.746



15, 29.399, 134.523

Inverse Universe

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



44, 94.032, 317.692



48, 118.731, 316.985



51, 83.201, 334.559



42, 7.165, 315.559



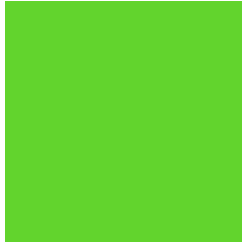
31, 88.961, 316.879



4, 30.493, 316.022

Previews

White Background



This preview shows how the CIELCh color 76, 89.488, 131.844 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, 89.488, 131.844 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, 89.488, 131.844

Background



This preview shows how black text looks on a background with the CIELCh color 76, 89.488, 131.844.



This preview shows how white text looks on a background with the CIELCh color 76, 89.488, 131.844.

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, 89.488, 131.844

Protanopia

75, 70.873, 95.100

Deuteranopia

76, 64.660, 81.450



Tritanopia
76, 23.189, 218.477

Trichromacy



Original Color
76, 89.488, 131.844



Protanomaly
75, 73.325, 112.259



Deuteranomaly
74, 66.162, 106.167



Tritanomaly
75, 41.243, 154.942

Monochromacy



Original Color
76, 89.488, 131.844



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 36.360, 133.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 89.488, 131.844 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(98, 212, 45)` looks like.

```
.text, #text, p{  
    color:rgb(98, 212, 45)  
}
```

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(98, 212, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 212, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 89.488, 131.844 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(98, 212, 45) }
```

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

```
.border{ border-color:rgb(98, 212, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 212, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 212, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 212, 45);  
box-shadow:4px 4px 4px 4px rgb(98, 212,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 89.488, 131.844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 212, 45) }
```

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

```
.background{ background-color: rgb(98, 212,  
45) }
```

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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