

Converting Colors

CIELCh(66, 76.339, 117.557)

Have a look what the booklet for
CIELCh(66, 76.339, 117.557)
contains.

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Color

CIELCh(66, 76.088, 117.690)

Conversions

Conversions Part 1

Format	Color
Hex	82AF00
RGB	130, 175, 0
RGB Percent	51%, 69%, 0%
CMY	0.4909, 0.3144, 1.0000
CMYK	0.26, 0.00, 1.00, 0.31
HSL	75°, 100%, 34%
HSV	75°, 100%, 69%
XYZ	24.4728, 35.3238, 5.5164
YIQ	141.5950, 29.3550, -63.9650

Conversions

Conversions Part 2

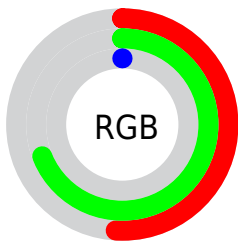
Format	Color
RYB	0, 175, 45
Decimal	8564480
CIELab	66.00, -35.36, 67.37
CIELCh	66, 76.088, 117.690
Yxy	35.3238, 0.3747, 0.5408
Android (android.graphics.Color)	4286754560 (0xFF82AF00)
YUV	141.5950, -69.8063, -10.1688
Hunter-Lab	59.4338, -30.5092, 36.1006

Details

The CIELCh color **66, 76.088, 117.690** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **22, 98.477, 307.849**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 76.064, 117.822**, and **46, 60.757, 123.498** is the 20% darker color. If you saturate the color by 10%, you get **66, 76.040, 117.705**, and if you desaturate by 10%, it is **66, 73.298, 116.959**.

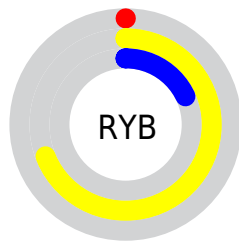
Distribution



Red (51%)

Green (69%)

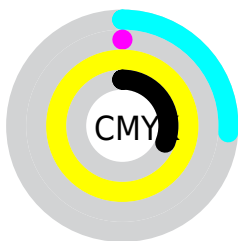
Blue (0%)



Red (0%)

Yellow (69%)

Blue (18%)

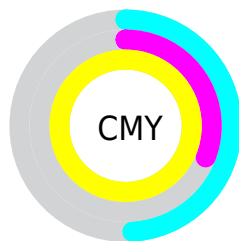


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (49%)


Magenta (31%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 76.088, 117.690 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 66, 76.088, 117.690 by changing the saturation by 10% instead.


 66, 76.088,
117.690


 66, 76.088,
117.690


 100, 76.088,
117.690


 56, 76.088,
117.690


 86, 76.088,
117.690

 46, 76.088,
117.690

 96, 76.088,
117.690

 36, 76.088,
117.690

 26, 76.088,
117.690

 16, 76.088,
117.690

 6, 76.088, 117.690

 0, 76.088, 117.690

■ 66, 76.088,
117.690

■ 66, 76.088,
117.690

■ 66, 76.040,
117.705

■ 66, 73.298,
116.959

■ 67, 68.959,
116.558

■ 67, 62.876,
116.533

■ 68, 55.455,
116.783

■ 68, 47.110,
117.215

■ 69, 38.166,
117.756

■ 69, 28.852,
118.353

■ 70, 19.321,

118.973

■ 71, 9.678, 119.593

Harmonies

Complementary

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



66, 76.088, 117.690



22, 98.477, 307.849

Rectangle

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



66, 76.088, 117.690



66, 76.088, 167.690



66, 76.088, 297.690



66, 76.088, 347.690

Sweetspot

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



66, 76.040, 117.705



87, 35.660, 118.322



39, 72.984, 45.367



47, 24.455, 118.071



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



66, 76.040, 117.705



84, 92.525, 117.933



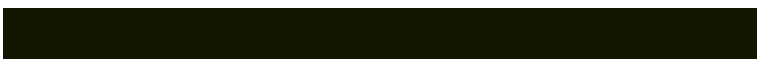
63, 87.796, 133.937



36, 5.442, 119.637



57, 68.022, 117.548



7, 11.688, 123.353

Inverse Universe

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



22, 98.477, 307.849



31, 119.908, 307.710



34, 89.421, 319.024



34, 5.548, 300.777



19, 88.046, 307.949



1, 11.487, 298.377

Previews

White Background



This preview shows how the CIELCh color 66, 76.088, 117.690 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 66, 76.088, 117.690 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 66, 76.088, 117.690

Background



This preview shows how black text looks on a background with the CIELCh color 66, 76.088, 117.690.



This preview shows how white text looks on a background with the CIELCh color 66, 76.088, 117.690.

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

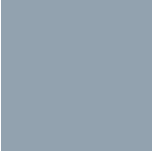
66, 76.088, 117.690

Protanopia

66, 69.060, 95.168

Deuteranopia

66, 64.301, 82.811



Tritanopia
66, 9.090, 251.793

Trichromacy



Original Color
66, 76.088, 117.690

Protanomaly
65, 69.985, 103.969

Deuteranomaly
65, 65.777, 97.136

Tritanomaly
65, 32.475, 126.887

Monochromacy



Original Color
66, 76.088, 117.690

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 35.191, 117.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 76.088, 117.690 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(130, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 175, 0)  
}
```

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(130, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 175, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 76.088, 117.690 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(130, 175, 0) }
```

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

```
.border{ border-color:rgb(130, 175, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 175, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 175,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 76.088, 117.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 175, 0) }
```

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

```
.background{ background-color: rgb(130,  
175, 0) }
```

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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