

Converting Colors

CIELCh(66, 75.051, 116.353)

Have a look what the booklet for
CIELCh(66, 75.051, 116.353)
contains.

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Color

CIELCh(66, 75.090, 116.297)

Conversions

Conversions Part 1

Format	Color
Hex	86AE01
RGB	134, 174, 1
RGB Percent	53%, 68%, 0%
CMY	0.4747, 0.3178, 0.9964
CMYK	0.23, 0.00, 0.99, 0.32
HSL	74°, 99%, 34%
HSV	74°, 99%, 68%
XYZ	24.9584, 35.3238, 5.5288
YIQ	142.3180, 31.6930, -62.2830

Conversions

Conversions Part 2

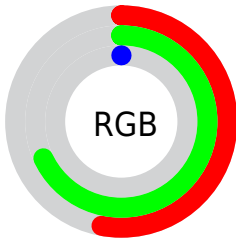
Format	Color
RYB	1, 174, 41
Decimal	8826369
CIELab	66.00, -33.27, 67.32
CIELCh	66, 75.090, 116.297
Yxy	35.3238, 0.3792, 0.5367
Android (android.graphics.Color)	4287016449 (0xFF86AE01)
YUV	142.3180, -69.6698, -7.2949
Hunter-Lab	59.4338, -29.0506, 36.0883

Details

The CIELCh color **66, 75.090, 116.297** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **22, 98.203, 307.557**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 75.202, 116.454**, and **46, 59.676, 121.874** is the 20% darker color. If you saturate the color by 10%, you get **66, 75.225, 116.334**, and if you desaturate by 10%, it is **66, 72.388, 115.631**.

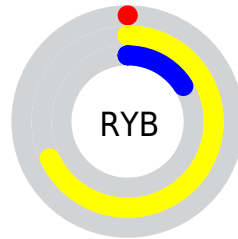
Distribution



Red (53%)

Green (68%)

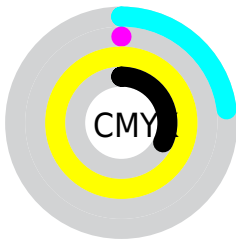
Blue (0%)



Red (0%)

Yellow (68%)

Blue (16%)

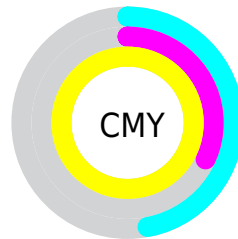


Cyan (23%)

Magenta (0%)

Yellow (99%)

Black (32%)



Cyan (47%)


Magenta (32%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 75.090, 116.297 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, 75.090, 116.297 by changing the saturation by 10% instead.


 66, 75.090,
116.297


 66, 75.090,
116.297


 100, 75.090,
116.297


 56, 75.090,
116.297


 86, 75.090,
116.297

 46, 75.090,
116.297

 96, 75.090,
116.297

 36, 75.090,
116.297

 26, 75.090,
116.297

 16, 75.090,
116.297

 6, 75.090, 116.297

 0, 75.090, 116.297

■ 66, 75.090,
116.297

■ 66, 75.090,
116.297

■ 66, 75.225,
116.334

■ 66, 72.388,
115.631

■ 67, 68.035,
115.309

■ 67, 61.956,
115.343

■ 67, 54.561,
115.639

■ 68, 46.261,
116.107

■ 68, 37.376,
116.678

■ 69, 28.128,
117.304

■ 70, 18.668,

117.951

■ 70, 9.096, 118.597

Harmonies

Complementary

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



66, 75.090, 116.297



22, 98.203, 307.557

Rectangle

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



66, 75.090, 116.297



66, 75.090, 166.297



66, 75.090, 296.297



66, 75.090, 346.297

Sweetspot

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



66, 75.090, 116.299



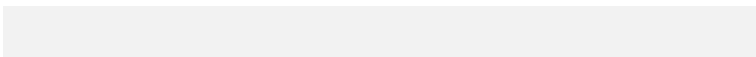
88, 35.523, 117.236



39, 73.476, 44.094



47, 24.358, 116.974



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, 75.090, 116.299



84, 91.854, 116.550



62, 86.703, 133.371



36, 5.424, 118.608



58, 67.551, 116.193



7, 11.632, 122.194

Inverse Universe

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



22, 98.203, 307.557



30, 120.361, 307.445



33, 89.434, 317.962



34, 5.531, 299.805



18, 88.393, 307.666



1, 11.462, 297.551

Previews

White Background



This preview shows how the CIELCh color 66, 75.090, 116.297 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, 75.090, 116.297 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, 75.090, 116.297

Background



This preview shows how black text looks on a background with the CIELCh color 66, 75.090, 116.297.



This preview shows how white text looks on a background with the CIELCh color 66, 75.090, 116.297.

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

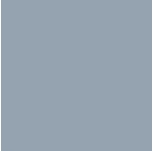
66, 75.090, 116.297

Protanopia

66, 69.060, 95.168

Deuteranopia

66, 64.492, 82.436



Tritanopia
66, 8.493, 257.452

Trichromacy



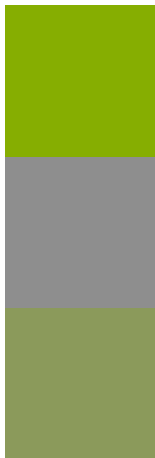
Original Color
66, 75.090, 116.297

Protanomaly
66, 69.974, 103.597

Deuteranomaly
65, 65.689, 96.339

Tritanomaly
65, 30.814, 124.163

Monochromacy



Original Color
66, 75.090, 116.297

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 35.071, 116.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 75.090, 116.297 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(134, 174, 1)` looks like.

```
.text, #text, p{  
    color:rgb(134, 174, 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(134, 174, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 174, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 75.090, 116.297 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(134, 174, 1) }
```

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

```
.border{ border-color:rgb(134, 174, 1) }
```

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

Here you see how a box with a 4 pixel rgb(134, 174, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 174, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 174, 1);  
box-shadow:4px 4px 4px 4px rgb(134, 174,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 75.090, 116.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 174, 1) }
```

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

```
.background{ background-color: rgb(134,  
174, 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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