

Converting Colors

CIELCh(75, 80.114, 113.265)

Have a look what the booklet for
CIELCh(75, 80.114, 113.265)
contains.

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Color

CIELCh(75, 80.194, 113.178)

Conversions

Conversions Part 1

Format	Color
Hex	A5C60D
RGB	165, 198, 13
RGB Percent	65%, 78%, 5%
CMY	0.3540, 0.2245, 0.9475
CMYK	0.17, 0.00, 0.93, 0.22
HSL	71°, 87%, 41%
HSV	71°, 93%, 78%
XYZ	35.6769, 48.2781, 7.8316
YIQ	167.0430, 39.7170, -64.5310

Conversions

Conversions Part 2

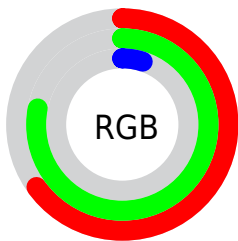
Format	Color
RYB	13, 198, 46
Decimal	10864141
CIELab	75.00, -31.56, 73.72
CIELCh	75, 80.194, 113.178
Yxy	48.2781, 0.3887, 0.5260
Android (android.graphics.Color)	4289054221 (0xFFA5C60D)
YUV	167.0430, -75.9432, -1.7917
Hunter-Lab	69.4824, -29.9406, 41.9549

Details

The CIELCh color **75, 80.194, 113.178** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **27, 105.617, 306.869**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 80.443, 113.151**, and **55, 65.730, 117.119** is the 20% darker color. If you saturate the color by 10%, you get **75, 81.755, 113.592**, and if you desaturate by 10%, it is **75, 76.491, 112.813**.

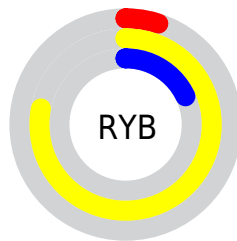
Distribution



Red (65%)

Green (78%)

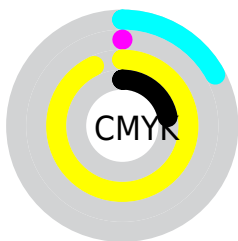
Blue (5%)



Red (5%)

Yellow (78%)

Blue (18%)

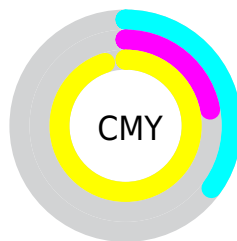


Cyan (17%)

Magenta (0%)

Yellow (93%)

Black (22%)



Cyan (35%)


Magenta (22%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 80.194, 113.178 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 75, 80.194, 113.178 by changing the saturation by 10% instead.


 75, 80.194,
113.178


 75, 80.194,
113.178


 100, 80.194,
113.178


 65, 80.194,
113.178


 95, 80.194,
113.178

 55, 80.194,
113.178

 45, 80.194,
113.178

 35, 80.194,
113.178

 25, 80.194,
113.178

 15, 80.194,
113.178

 5, 80.194, 113.178

■ 0, 80.194, 113.178

■ 75, 80.194,
113.178

■ 75, 80.194,
113.178

■ 75, 81.755,
113.592

■ 75, 76.491,
112.813

■ 76, 70.687,
112.808

■ 76, 63.177,
113.087

■ 76, 54.449,
113.564

■ 77, 44.916,
114.166

■ 78, 34.876,
114.839

■ 78, 24.533,
115.546

■ 79, 14.018,
116.259

■ 80, 3.420, 116.964

Harmonies

Complementary

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



75, 80.194, 113.178



27, 105.617, 306.869

Rectangle

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



75, 80.194, 113.178



75, 80.194, 163.178



75, 80.194, 293.178



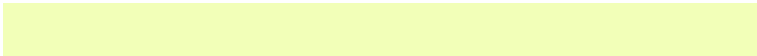
75, 80.194, 343.178

Sweetspot

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



75, 80.194, 113.180



98, 36.246, 115.176



44, 78.633, 41.969



52, 24.947, 114.869



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 80.194, 113.180



94, 99.058, 113.743



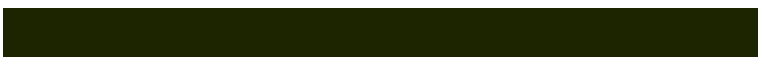
71, 92.252, 132.056



42, 6.040, 116.532



63, 70.857, 113.452



13, 20.692, 116.420

Inverse Universe

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



27, 105.617, 306.869



34, 132.367, 306.973



37, 97.283, 316.704



39, 6.166, 297.877



20, 94.539, 307.149



2, 21.640, 296.456

Previews

White Background



This preview shows how the CIELCh color 75, 80.194, 113.178 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 75, 80.194, 113.178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

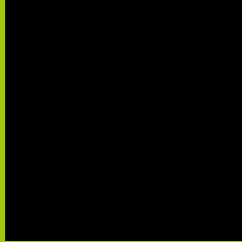
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 80.194, 113.178

Background



This preview shows how black text looks on a background with the CIELCh color 75, 80.194, 113.178.



This preview shows how white text looks on a background with the CIELCh color 75, 80.194, 113.178.

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

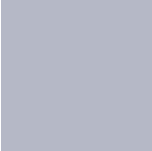
75, 80.310, 113.154

Protanopia

75, 76.898, 95.126

Deuteranopia

75, 71.930, 82.481



Tritanopia
75, 7.621, 282.794

Trichromacy



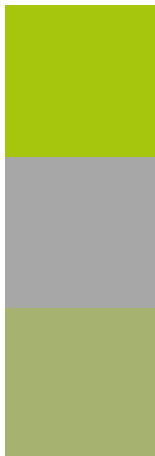
Original Color
75, 80.310, 113.154

Protanomaly
75, 77.150, 102.239

Deuteranomaly
74, 72.454, 94.307

Tritanomaly
74, 31.355, 117.637

Monochromacy



Original Color
75, 80.310, 113.154

Achromatopsia
68, 0.008, 296.813

Achromatomaly
70, 36.131, 114.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 80.194, 113.178 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(165, 198, 13)` looks like.

```
.text, #text, p{  
    color:rgb(165, 198, 13)  
}
```

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(165, 198, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 198, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 80.194, 113.178 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(165, 198, 13) }
```

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

```
.border{ border-color:rgb(165, 198, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 198, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 198, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 198, 13);  
box-shadow:4px 4px 4px 4px rgb(165, 198,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 80.194, 113.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 198, 13) }
```

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

```
.background{ background-color: rgb(165,  
198, 13) }
```

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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