

Converting Colors

CIELCh(77, 84.333, 115.432)

Have a look what the booklet for
CIELCh(77, 84.333, 115.432)
contains.

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Color

CIELCh(77, 84.222, 115.401)

Conversions

Conversions Part 1

Format	Color
Hex	A2CD05
RGB	162, 205, 5
RGB Percent	64%, 80%, 2%
CMY	0.3635, 0.1949, 0.9806
CMYK	0.21, 0.00, 0.98, 0.19
HSL	73°, 95%, 41%
HSV	73°, 98%, 81%
XYZ	36.8944, 51.5317, 8.1434
YIQ	169.3430, 38.5720, -71.3160

Conversions

Conversions Part 2

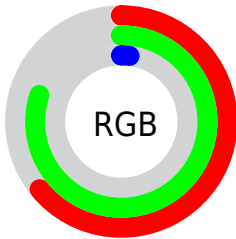
Format	Color
RYB	5, 205, 48
Decimal	10669317
CIELab	77.00, -36.13, 76.08
CIELCh	77, 84.222, 115.401
Yxy	51.5317, 0.3820, 0.5336
Android (android.graphics.Color)	4288859397 (0xFFA2CD05)
YUV	169.3430, -81.0211, -6.4398
Hunter-Lab	71.7856, -33.8843, 43.5240

Details

The CIELCh color **77, 84.222, 115.401** 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, 110.556, 307.288**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 81.016, 113.920**, and **57, 69.135, 119.874** is the 20% darker color. If you saturate the color by 10%, you get **77, 84.795, 115.581**, and if you desaturate by 10%, it is **77, 81.255, 114.754**.

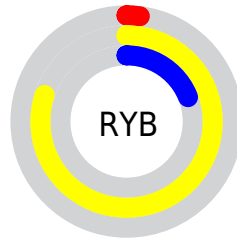
Distribution



Red (64%)

Green (80%)

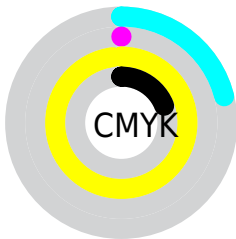
Blue (2%)



Red (2%)

Yellow (80%)

Blue (19%)

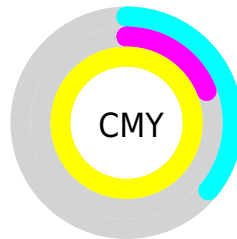


Cyan (21%)

Magenta (0%)

Yellow (98%)

Black (19%)



Cyan (36%)

Magenta (19%)

Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 84.222, 115.401 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 77, 84.222, 115.401 by changing the saturation by 10% instead.


 77, 84.222,
115.401

 77, 84.222,
115.401


 100, 84.222,
115.401


 67, 84.222,
115.401


 97, 84.222,
115.401

 57, 84.222,
115.401

 47, 84.222,
115.401

 37, 84.222,
115.401

 27, 84.222,
115.401

 17, 84.222,
115.401

 7, 84.222, 115.401

■ 0, 84.222, 115.401

■ 77, 84.222,
115.401

■ 77, 84.222,
115.401

■ 77, 84.795,
115.581

■ 77, 81.255,
114.754

■ 78, 76.126,
114.502

■ 78, 69.034,
114.598

■ 79, 60.469,
114.944

■ 79, 50.902,
115.453

■ 80, 40.695,
116.060

■ 80, 30.096,
116.716

■ 81, 19.270,
117.389

■ 82, 8.327, 118.060

Harmonies

Complementary

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



77, 84.222, 115.401



27, 110.556, 307.288

Rectangle

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



77, 84.222, 115.401



77, 84.222, 165.401



77, 84.222, 295.401



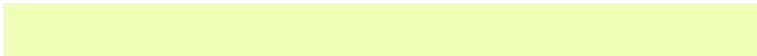
77, 84.222, 345.401

Sweetspot

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



77, 84.222, 115.403



97, 37.677, 116.597



46, 82.816, 43.194



52, 25.774, 116.312



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 84.222, 115.403



93, 99.913, 115.728



73, 97.290, 133.092



43, 6.191, 117.940



63, 72.264, 115.406



14, 22.472, 117.552

Inverse Universe

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



27, 110.556, 307.288



34, 131.819, 307.250



39, 100.983, 317.440



40, 6.317, 299.202



20, 95.213, 307.444



2, 23.742, 297.961

Previews

White Background



This preview shows how the CIELCh color 77, 84.222, 115.401 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 77, 84.222, 115.401 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 77, 84.222, 115.401

Background



This preview shows how black text looks on a background with the CIELCh color 77, 84.222, 115.401.



This preview shows how white text looks on a background with the CIELCh color 77, 84.222, 115.401.

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

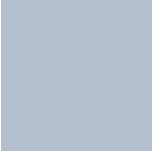
77, 84.128, 115.422

Protanopia

77, 78.468, 94.989

Deuteranopia

77, 73.892, 82.388



Tritanopia
77, 8.856, 265.027

Trichromacy



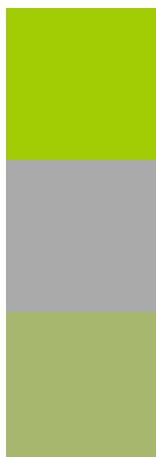
Original Color
77, 84.128, 115.422

Protanomaly
77, 79.299, 103.188

Deuteranomaly
76, 74.808, 95.599

Tritanomaly
76, 34.432, 121.910

Monochromacy



Original Color
77, 84.128, 115.422

Achromatopsia
70, 0.009, 296.813

Achromatomaly
72, 39.275, 116.131

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 84.222, 115.401 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(162, 205, 5)` looks like.

```
.text, #text, p{  
    color:rgb(162, 205, 5)  
}
```

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(162, 205, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 205, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 84.222, 115.401 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(162, 205, 5) }
```

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

```
.border{ border-color:rgb(162, 205, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 205, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 205, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 205, 5);  
box-shadow:4px 4px 4px 4px rgb(162, 205,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 84.222, 115.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 205, 5) }
```

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

```
.background{ background-color: rgb(162,  
205, 5) }
```

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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