

Converting Colors

CIELCh(75, 95.841, 130.018)

Have a look what the booklet for
CIELCh(75, 95.841, 130.018)
contains.

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Color

CIELCh(75, 95.901, 130.005)

Conversions

Conversions Part 1

Format	Color
Hex	5DD201
RGB	93, 210, 1
RGB Percent	36%, 82%, 0%
CMY	0.6365, 0.1775, 0.9951
CMYK	0.56, 0.00, 0.99, 0.18
HSL	94°, 99%, 41%
HSV	94°, 99%, 82%
XYZ	27.4727, 48.2781, 7.9059
YIQ	151.1910, -2.6430, -89.8030

Conversions

Conversions Part 2

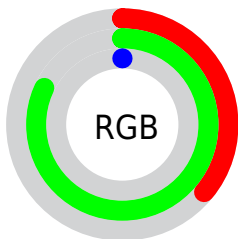
Format	Color
RYB	1, 210, 118
Decimal	6148609
CIELab	75.00, -61.65, 73.46
CIELCh	75, 95.901, 130.005
Yxy	48.2781, 0.3284, 0.5771
Android (android.graphics.Color)	4284338689 (0xFF5DD201)
YUV	151.1910, -74.0442, -51.0335
Hunter-Lab	69.4824, -51.0171, 41.8915

Details

The CIELCh color **75, 95.901, 130.005** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed green. A complement of this color would be **35, 106.121, 313.325**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 89.541, 129.117**, and **55, 82.195, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **75, 96.107, 130.063**, and if you desaturate by 10%, it is **75, 92.063, 129.034**.

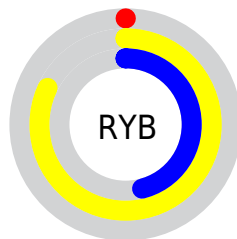
Distribution



Red (36%)

Green (82%)

Blue (0%)



Red (0%)

Yellow (82%)

Blue (46%)

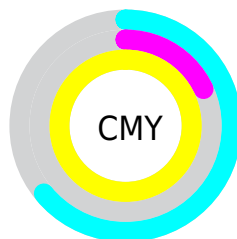


Cyan (56%)

Magenta (0%)

Yellow (99%)

Black (18%)



Cyan (64%)


Magenta (18%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 95.901, 130.005 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, 95.901, 130.005 by changing the saturation by 10% instead.


 75, 95.901,
130.005


 75, 95.901,
130.005


 100, 95.901,
130.005


 65, 95.901,
130.005


 95, 95.901,
130.005

 55, 95.901,
130.005

 45, 95.901,
130.005

 35, 95.901,
130.005

 25, 95.901,
130.005

 15, 95.901,
130.005

 5, 95.901, 130.005

■ 0, 95.901, 130.005

■ 75, 95.901,
130.005

■ 75, 95.901,
130.005

■ 75, 96.107,
130.063

■ 75, 92.063,
129.034

■ 76, 86.142,
128.484

■ 77, 78.169,
128.363

■ 77, 68.631,
128.544

■ 78, 58.022,
128.906

■ 79, 46.734,
129.360

■ 80, 35.046,
129.847

■ 82, 23.156,
130.331

■ 83, 11.202,
130.796

Harmonies

Complementary

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



75, 95.901, 130.005



35, 106.121, 313.325

Rectangle

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



75, 95.901, 130.005



75, 95.901, 180.005



75, 95.901, 310.005



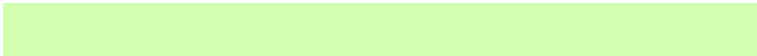
75, 95.901, 0.005

Sweetspot

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



75, 95.901, 130.006



95, 41.890, 129.801



58, 72.099, 64.683



50, 28.529, 129.592



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, 95.901, 130.006



89, 111.577, 130.239



74, 102.367, 136.382



43, 6.743, 130.796



61, 81.371, 129.819



14, 26.705, 131.752

Inverse Universe

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



35, 106.121, 313.325



43, 123.377, 313.162



49, 95.778, 330.329



41, 6.824, 311.572



27, 90.156, 313.461



3, 27.130, 309.921

Previews

White Background



This preview shows how the CIELCh color 75, 95.901, 130.005 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, 95.901, 130.005 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, 95.901, 130.005

Background



This preview shows how black text looks on a background with the CIELCh color 75, 95.901, 130.005.

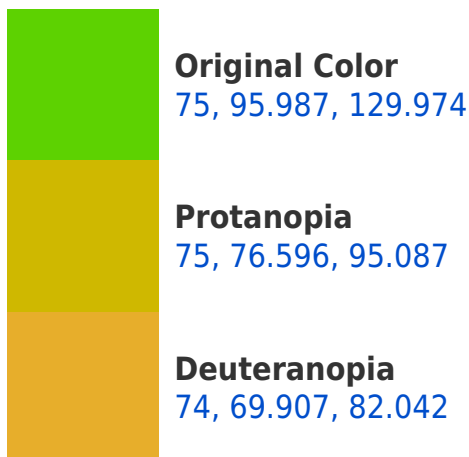


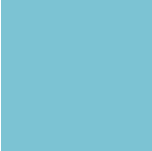
This preview shows how white text looks on a background with the CIELCh color 75, 95.901, 130.005.

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





Tritanopia
75, 23.550, 219.613

Trichromacy



Original Color
75, 95.987, 129.974



Protanomaly
74, 79.726, 111.635



Deuteranomaly
73, 72.867, 105.295



Tritanomaly
74, 47.195, 148.662

Monochromacy



Original Color
75, 95.987, 129.974



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 43.864, 129.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 95.901, 130.005 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(93, 210, 1)` looks like.

```
.text, #text, p{  
    color:rgb(93, 210, 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(93, 210, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 210, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 95.901, 130.005 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(93, 210, 1) }
```

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

```
.border{ border-color:rgb(93, 210, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 210, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 210, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 210, 1);  
box-shadow:4px 4px 4px 4px rgb(93, 210, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 75, 95.901, 130.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 210, 1) }
```

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

```
.background{ background-color: rgb(93, 210,  
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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