

Converting Colors

CIELCh(75, 101.535, 134.165)

Have a look what the booklet for
CIELCh(75, 101.535, 134.165)
contains.

CIELCh(75, 101.604, 134.129)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(75, 101.604, 134.129)

Conversions

Conversions Part 1

Format	Color
Hex	36D502
RGB	54, 213, 2
RGB Percent	21%, 84%, 1%
CMY	0.7894, 0.1654, 0.9902
CMYK	0.75, 0.00, 0.99, 0.17
HSL	105°, 98%, 42%
HSV	105°, 99%, 83%
XYZ	25.2673, 48.2781, 8.0577
YIQ	141.4050, -27.0330, -99.3290

Conversions

Conversions Part 2

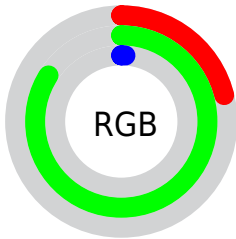
Format	Color
R _Y B	2, 213, 161
Decimal	3593474
CIE Lab	75.00, -70.74, 72.93
CIE LCh	75, 101.604, 134.129
Yxy	48.2781, 0.3096, 0.5916
Android (android.graphics.Color)	4281783554 (0xFF36D502)
YUV	141.4050, -68.7267, -76.6542
Hunter-Lab	69.4824, -56.6827, 41.7620

Details

The CIELCh color **75, 101.604, 134.129** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **42, 103.158, 319.195**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 93.857, 133.619**, and **56, 83.367, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **75, 101.977, 134.180**, and if you desaturate by 10%, it is **75, 97.776, 133.641**.

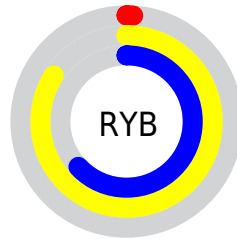
Distribution



Red (21%)

Green (84%)

Blue (1%)



Red (1%)

Yellow (84%)

Blue (63%)

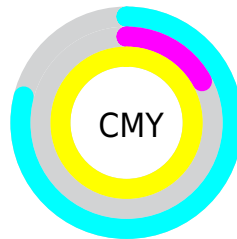


Cyan (75%)

Magenta (0%)

Yellow (99%)

Black (17%)



Cyan (79%)


Magenta (17%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 101.604, 134.129 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, 101.604, 134.129 by changing the saturation by 10% instead.


 75, 101.604,
134.129


 75, 101.604,
134.129


 100, 101.604,
134.129


 65, 101.604,
134.129


 95, 101.604,
134.129

 55, 101.604,
134.129

 45, 101.604,
134.129

 35, 101.604,
134.129

 25, 101.604,
134.129

 15, 101.604,
134.129

 5, 101.604,

134.129

■ 0, 101.604,
134.129

■ 75, 101.604,
134.129

■ 75, 101.604,
134.129

■ 75, 101.977,
134.180

■ 75, 97.776,
133.641

■ 76, 91.560,
133.523

■ 77, 83.093,
133.765

■ 77, 72.905,
134.241

■ 78, 61.527,
134.831

■ 79, 49.390,
135.452

■ 81, 36.815,
136.054

■ 82, 24.037,
136.613

■ 84, 11.228,
137.122

Harmonies

Complementary

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



75, 101.604, 134.129



42, 103.158, 319.195

Rectangle

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



75, 101.604, 134.129



75, 101.604, 184.129



75, 101.604, 314.129



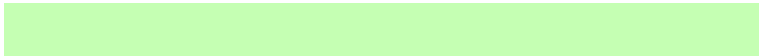
75, 101.604, 4.129

Sweetspot

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



75, 101.603, 134.130



95, 44.350, 135.968



69, 72.848, 83.422



50, 30.216, 135.713



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, 101.603, 134.130



88, 117.047, 134.290



75, 95.433, 139.744



44, 7.257, 137.092



61, 86.397, 134.015



15, 30.016, 136.221

Inverse Universe

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



42, 103.158, 319.195



50, 118.663, 319.047



48, 83.088, 341.343



42, 7.306, 317.881



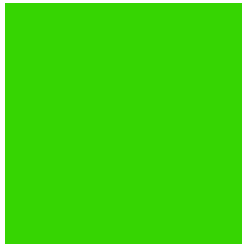
33, 87.809, 319.256



4, 31.144, 319.003

Previews

White Background



This preview shows how the CIE LCh color 75, 101.604, 134.129 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 CIE LCh color 75, 101.604, 134.129 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, 101.604, 134.129

Background



This preview shows how black text looks on a background with the CIELCh color 75, 101.604, 134.129.

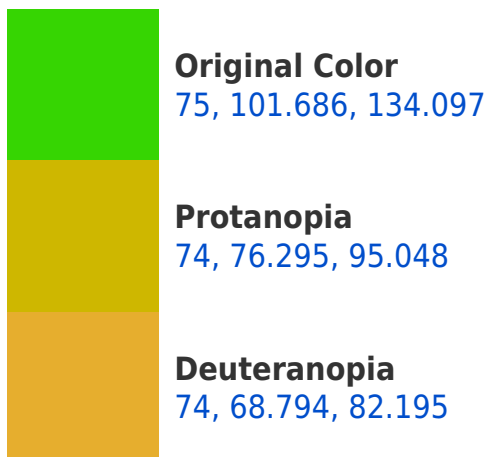


This preview shows how white text looks on a background with the CIELCh color 75, 101.604, 134.129.

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, 29.181, 214.874

Trichromacy



Original Color
75, 101.686, 134.097



Protanomaly
73, 81.307, 115.944



Deuteranomaly
72, 73.438, 110.765



Tritanomaly
74, 53.715, 154.445

Monochromacy



Original Color
75, 101.686, 134.097



Achromatopsia
59, 0.008, 296.813



Achromatomaly
63, 47.387, 135.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 101.604, 134.129 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(54, 213, 2)` looks like.

```
.text, #text, p{  
    color:rgb(54, 213, 2)  
}
```

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(54, 213, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 213, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 101.604, 134.129 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(54, 213, 2) }
```

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

```
.border{ border-color:rgb(54, 213, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 213, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 213, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 213, 2);  
box-shadow:4px 4px 4px 4px rgb(54, 213, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 75, 101.604, 134.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 213, 2) }
```

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

```
.background{ background-color: rgb(54, 213,  
2) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor