

Converting Colors

CIELCh(75, 100.157, 134.118)

Have a look what the booklet for
CIELCh(75, 100.157, 134.118)
contains.

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Color

CIELCh(75, 100.396, 134.155)

Conversions

Conversions Part 1

Format	Color
Hex	39D50C
RGB	57, 213, 12
RGB Percent	22%, 84%, 5%
CMY	0.7751, 0.1664, 0.9535
CMYK	0.73, 0.00, 0.94, 0.17
HSL	106°, 89%, 44%
HSV	106°, 94%, 83%
XYZ	25.4584, 48.2781, 8.3192
YIQ	143.4420, -28.4550, -95.5830

Conversions

Conversions Part 2

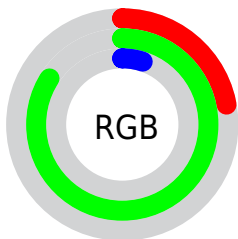
Format	Color
RYB	12, 213, 168
Decimal	3790092
CIELab	75.00, -69.94, 72.03
CIELCh	75, 100.396, 134.155
Yxy	48.2781, 0.3103, 0.5884
Android (android.graphics.Color)	4281980172 (0xFF39D50C)
YUV	143.4420, -64.8009, -75.8096
Hunter-Lab	69.4824, -56.1918, 41.5389

Details

The CIELCh color **75, 100.396, 134.155** 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 **43, 101.612, 320.002**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 92.727, 133.844**, and **56, 83.367, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **75, 102.190, 134.410**, and if you desaturate by 10%, it is **75, 95.626, 133.855**.

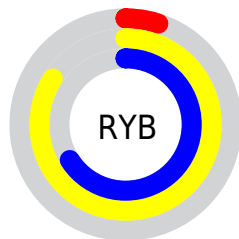
Distribution



Red (22%)

Green (84%)

Blue (5%)



Red (5%)

Yellow (84%)

Blue (66%)

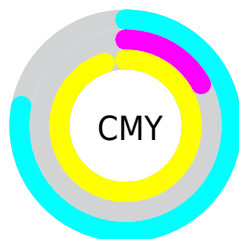


Cyan (73%)

Magenta (0%)

Yellow (94%)

Black (17%)



Cyan (78%)


Magenta (17%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 100.396, 134.155 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, 100.396, 134.155 by changing the saturation by 10% instead.


 75, 100.396,
134.155


 75, 100.396,
134.155


 100, 100.396,
134.155


 65, 100.396,
134.155


 95, 100.396,
134.155

 55, 100.396,
134.155

 45, 100.396,
134.155

 35, 100.396,
134.155

 25, 100.396,
134.155

 15, 100.396,
134.155

 5, 100.396,

134.155

■ 0, 100.396,
134.155

■ 75, 100.396,
134.155

■ 75, 100.396,
134.155

■ 75, 102.190,
134.410

■ 75, 95.626,
133.855

■ 76, 88.379,
133.956

■ 77, 79.081,
134.357

■ 78, 68.285,
134.928

■ 79, 56.489,
135.565

■ 80, 44.076,
136.202

■ 81, 31.332,
136.801

■ 83, 18.466,
137.347

■ 84, 5.630, 137.853

Harmonies

Complementary

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



75, 100.396, 134.155



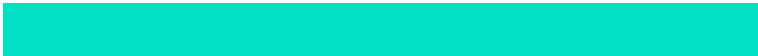
43, 101.612, 320.002

Rectangle

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



75, 100.396, 134.155



75, 100.396, 184.155



75, 100.396, 314.155



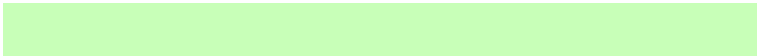
75, 100.396, 4.155

Sweetspot

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



75, 100.395, 134.156



95, 41.625, 136.575



70, 72.377, 85.727



50, 28.707, 136.311



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, 100.395, 134.156



88, 117.388, 134.514



75, 92.076, 140.978



44, 7.294, 137.601



61, 86.663, 134.255



14, 30.149, 136.566

Inverse Universe

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



43, 101.612, 320.002



51, 118.331, 319.627



48, 81.884, 341.765



42, 7.339, 318.399



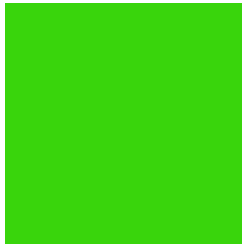
34, 87.573, 319.825



5, 31.289, 319.668

Previews

White Background



This preview shows how the CIELCh color 75, 100.396, 134.155 looks on a white background.

Color Contrast Check

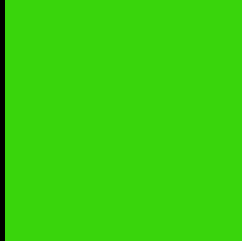
Large Text (above 18pt) WCAG AA × Fail

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, 100.396, 134.155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

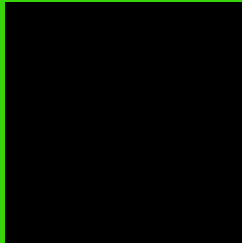
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 100.396, 134.155

Background



This preview shows how black text looks on a background with the CIELCh color 75, 100.396, 134.155.



This preview shows how white text looks on a background with the CIELCh color 75, 100.396, 134.155.

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, 100.584, 134.195

Protanopia

74, 76.295, 95.048

Deuteranopia

74, 68.477, 82.130



Tritanopia
75, 28.975, 215.015

Trichromacy



Original Color
75, 100.584, 134.195



Protanomaly
73, 80.895, 115.738



Deuteranomaly
72, 72.427, 110.607



Tritanomaly
74, 52.191, 155.364

Monochromacy



Original Color
75, 100.584, 134.195



Achromatopsia
59, 0.008, 296.813



Achromatomaly
64, 45.607, 135.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 100.396, 134.155 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(57, 213, 12)` looks like.

```
.text, #text, p{  
  color:rgb(57, 213, 12)  
}
```

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(57, 213, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 213, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 100.396, 134.155 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(57, 213, 12) }
```

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

```
.border{ border-color:rgb(57, 213, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 213, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 213, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 213, 12);  
box-shadow:4px 4px 4px 4px rgb(57, 213,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 100.396, 134.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 213, 12) }
```

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

```
.background{ background-color: rgb(57, 213,  
12) }
```

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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