

Converting Colors

CIELCh(72, 93.266, 135.414)

Have a look what the booklet for
CIELCh(72, 93.266, 135.414)
contains.

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Color

CIELCh(72, 93.384, 135.424)

Conversions

Conversions Part 1

Format	Color
Hex	38CB22
RGB	56, 203, 34
RGB Percent	22%, 80%, 13%
CMY	0.7805, 0.2040, 0.8667
CMYK	0.72, 0.00, 0.83, 0.20
HSL	112°, 71%, 46%
HSV	112°, 83%, 80%
XYZ	23.2697, 43.6590, 8.7121
YIQ	139.7810, -33.3630, -83.7230

Conversions

Conversions Part 2

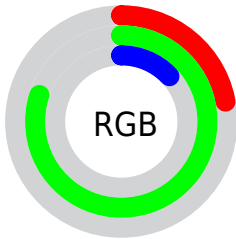
Format	Color
RYB	34, 203, 181
Decimal	3722018
CIELab	72.00, -66.52, 65.54
CIELCh	72, 93.384, 135.424
Yxy	43.6590, 0.3076, 0.5772
Android (android.graphics.Color)	4281912098 (0xFF38CB22)
YUV	139.7810, -52.1500, -73.4759
Hunter-Lab	66.0750, -52.7686, 38.4350

Details

The CIELCh color **72, 93.384, 135.424** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **46, 92.768, 323.594**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 90.489, 135.312**, and **53, 79.444, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 98.049, 135.332**, and if you desaturate by 10%, it is **73, 86.235, 135.870**.

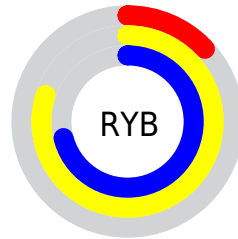
Distribution



Red (22%)

Green (80%)

Blue (13%)



Red (13%)

Yellow (80%)

Blue (71%)

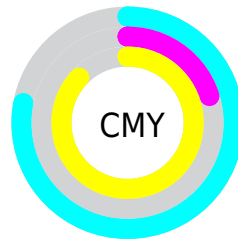


Cyan (72%)

Magenta (0%)

Yellow (83%)

Black (20%)



Cyan (78%)


Magenta (20%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 93.384, 135.424 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 72, 93.384, 135.424 by changing the saturation by 10% instead.


 72, 93.384,
135.424


 72, 93.384,
135.424


 100, 93.384,
135.424


 62, 93.384,
135.424


 92, 93.384,
135.424

 52, 93.384,
135.424

 42, 93.384,
135.424

 32, 93.384,
135.424

 22, 93.384,
135.424

 12, 93.384,
135.424

 2, 93.384, 135.424

■ 0, 93.384, 135.424

■ 72, 93.384,
135.424

■ 72, 93.384,
135.424

■ 72, 98.049,
135.332

■ 73, 86.235,
135.870

■ 72, 99.993,
135.383

■ 73, 77.042,
136.551

■ 74, 66.347,
137.340

■ 75, 54.636,
138.141

■ 76, 42.295,
138.899

■ 78, 29.622,
139.585

■ 79, 16.838,
140.194

■ 81, 4.107, 140.760

■ 83, 8.454, 321.126

Harmonies

Complementary

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



72, 93.384, 135.424



46, 92.768, 323.594

Rectangle

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



72, 93.384, 135.424



72, 93.384, 185.424



72, 93.384, 315.424



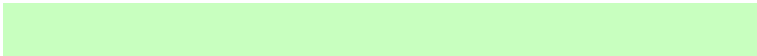
72, 93.384, 5.424

Sweetspot

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



72, 93.384, 135.425



95, 38.320, 139.449



73, 69.990, 95.049



50, 26.135, 139.208



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 93.384, 135.425



88, 118.883, 135.468



72, 75.902, 146.667



42, 7.218, 140.411



59, 85.899, 135.283



12, 27.605, 140.325

Inverse Universe

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



46, 92.768, 323.594



55, 116.743, 323.132



47, 72.415, 346.343



40, 7.246, 321.279



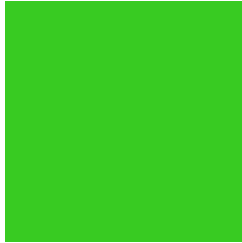
35, 84.529, 323.267



4, 27.712, 322.374

Previews

White Background



This preview shows how the CIELCh color 72, 93.384, 135.424 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 72, 93.384, 135.424 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 72, 93.384, 135.424

Background



This preview shows how black text looks on a background with the CIELCh color 72, 93.384, 135.424.

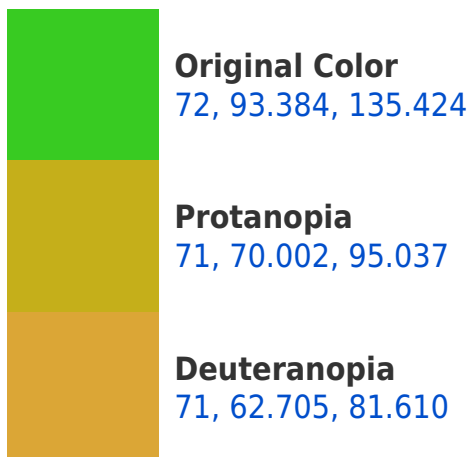


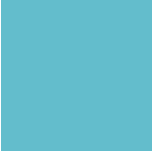
This preview shows how white text looks on a background with the CIELCh color 72, 93.384, 135.424.

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
72, 27.765, 214.786

Trichromacy



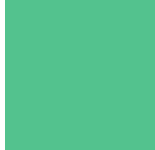
Original Color
72, 93.384, 135.424



Protanomaly
70, 74.148, 116.337



Deuteranomaly
69, 65.316, 111.086



Tritanomaly
71, 47.005, 159.026

Monochromacy



Original Color
72, 93.384, 135.424



Achromatopsia
58, 0.007, 296.813



Achromatomaly
62, 40.386, 138.617

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 93.384, 135.424 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(56, 203, 34)` looks like.

```
.text, #text, p{  
    color:rgb(56, 203, 34)  
}
```

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(56, 203, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 203, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 93.384, 135.424 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(56, 203, 34) }
```

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

```
.border{ border-color:rgb(56, 203, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 203, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 203, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 203, 34);  
box-shadow:4px 4px 4px 4px rgb(56, 203,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 93.384, 135.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 203, 34) }
```

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

```
.background{ background-color: rgb(56, 203,  
34) }
```

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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