

Converting Colors

CIELCh(72, 86.214, 135.016)

Have a look what the booklet for
CIELCh(72, 86.214, 135.016)
contains.

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Color

CIELCh(72, 86.236, 135.025)

Conversions

Conversions Part 1

Format	Color
Hex	4CC932
RGB	76, 201, 50
RGB Percent	30%, 79%, 20%
CMY	0.7009, 0.2109, 0.8029
CMYK	0.62, 0.00, 0.75, 0.21
HSL	110°, 60%, 49%
HSV	110°, 75%, 79%
XYZ	24.5223, 43.6590, 10.1797
YIQ	146.4110, -26.0290, -73.4610

Conversions

Conversions Part 2

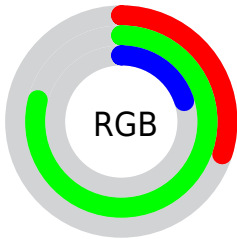
Format	Color
RYB	50, 201, 175
Decimal	5032242
CIELab	72.00, -61.00, 60.95
CIELCh	72, 86.236, 135.025
Yxy	43.6590, 0.3129, 0.5572
Android (android.graphics.Color)	4283222322 (0xFF4CC932)
YUV	146.4110, -47.5306, -61.7504
Hunter-Lab	66.0750, -49.3847, 37.1181

Details

The CIELCh color **72, 86.236, 135.025** 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 **47, 86.978, 322.252**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 84.512, 134.941**, and **52, 79.049, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 93.023, 134.774**, and if you desaturate by 10%, it is **73, 77.397, 135.556**.

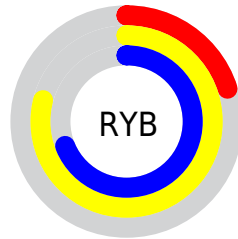
Distribution



Red (30%)

Green (79%)

Blue (20%)



Red (20%)

Yellow (79%)

Blue (69%)

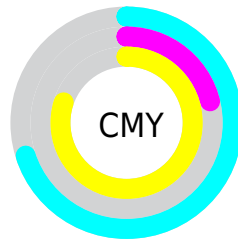


Cyan (62%)

Magenta (0%)

Yellow (75%)

Black (21%)



Cyan (70%)


Magenta (21%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 86.236, 135.025 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, 86.236, 135.025 by changing the saturation by 10% instead.


 72, 86.236,
135.025

 72, 86.236,
135.025


 100, 86.236,
135.025


 62, 86.236,
135.025


 92, 86.236,
135.025

 52, 86.236,
135.025

 42, 86.236,
135.025

 32, 86.236,
135.025

 22, 86.236,
135.025

 12, 86.236,
135.025

 2, 86.236, 135.025

72, 86.236,
135.025

72, 86.236,
135.025

72, 93.023,
134.774

73, 77.397,
135.556

71, 97.363,
134.901

73, 67.040,
136.234

71, 98.847,
135.007

74, 55.652,
136.959

76, 43.619,
137.664

77, 31.235,
138.317

79, 18.717,
138.903

■ 80, 6.226, 139.437

■ 82, 6.125, 319.808

■ 84, 18.254,
320.211

Harmonies

Complementary

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



72, 86.236, 135.025



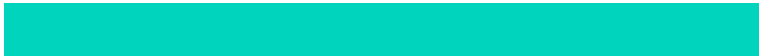
47, 86.978, 322.252

Rectangle

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



72, 86.236, 135.025



72, 86.236, 185.025



72, 86.236, 315.025



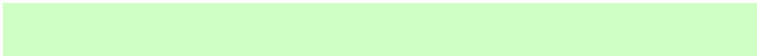
72, 86.236, 5.025

Sweetspot

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



72, 86.236, 135.026



95, 34.783, 138.422



71, 62.976, 92.497



50, 24.075, 138.194



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, 86.236, 135.026



88, 114.773, 134.806



72, 72.815, 146.324



41, 6.976, 139.208



59, 84.466, 134.878



11, 25.343, 140.199

Inverse Universe

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



47, 86.978, 322.252



55, 114.566, 321.993



48, 70.661, 341.859



39, 7.010, 320.035



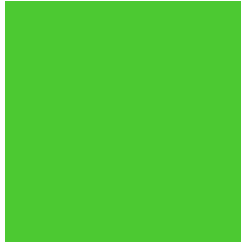
34, 83.994, 321.745



4, 24.768, 319.672

Previews

White Background



This preview shows how the CIE LCh color 72, 86.236, 135.025 looks on a white background.

Color Contrast Check

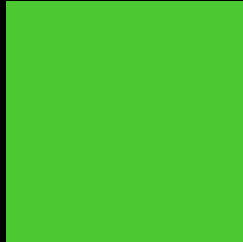
Large Text (above 18pt) WCAG AA × Fail

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, 86.236, 135.025 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, 86.236, 135.025

Background



This preview shows how black text looks on a background with the CIELCh color 72, 86.236, 135.025.



This preview shows how white text looks on a background with the CIELCh color 72, 86.236, 135.025.

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

72, 86.236, 135.025

Protanopia

71, 65.111, 94.938

Deuteranopia

71, 58.650, 80.995



Tritanopia
72, 25.331, 216.677

Trichromacy



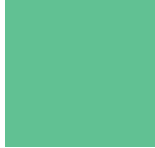
Original Color
72, 86.236, 135.025



Protanomaly
71, 68.850, 115.239



Deuteranomaly
70, 60.642, 109.562



Tritanomaly
71, 41.770, 159.545

Monochromacy



Original Color
72, 86.236, 135.025



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 35.365, 138.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 86.236, 135.025 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(76, 201, 50)` looks like.

```
.text, #text, p{  
    color:rgb(76, 201, 50)  
}
```

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(76, 201, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 201, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 86.236, 135.025 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(76, 201, 50) }
```

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

```
.border{ border-color:rgb(76, 201, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 201, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 201, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 201, 50);  
box-shadow:4px 4px 4px 4px rgb(76, 201,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 86.236, 135.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 201, 50) }
```

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

```
.background{ background-color: rgb(76, 201,  
50) }
```

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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