

Converting Colors

CIELCh(71, 75.736, 140.111)

Have a look what the booklet for
CIELCh(71, 75.736, 140.111)
contains.

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Color

CIELCh(71, 75.766, 140.163)

Conversions

Conversions Part 1

Format	Color
Hex	48C64F
RGB	72, 198, 79
RGB Percent	28%, 78%, 31%
CMY	0.7189, 0.2246, 0.6912
CMYK	0.64, 0.00, 0.60, 0.22
HSL	123°, 52%, 53%
HSV	123°, 64%, 78%
XYZ	24.1809, 42.1875, 14.2169
YIQ	146.7600, -36.8970, -63.7210

Conversions

Conversions Part 2

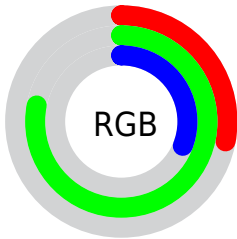
Format	Color
RYB	72, 191, 198
Decimal	4769359
CIELab	71.00, -58.18, 48.54
CIELCh	71, 75.766, 140.163
Yxy	42.1875, 0.3001, 0.5235
Android (android.graphics.Color)	4282959439 (0xFF48C64F)
YUV	146.7600, -33.4057, -65.5645
Hunter-Lab	64.9519, -47.2122, 32.4887

Details

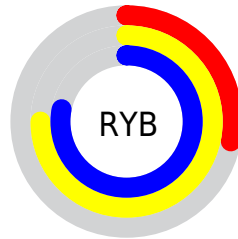
The CIELCh color **71, 75.766, 140.163** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **52, 74.464, 329.370**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 75.252, 140.167**, and **52, 73.779, 138.249** is the 20% darker color. If you saturate the color by 10%, you get **70, 84.570, 138.913**, and if you desaturate by 10%, it is **72, 65.495, 141.387**.

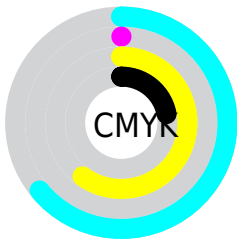
Distribution



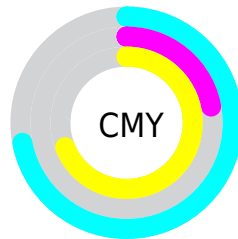
- Red (28%)
- Green (78%)
- Blue (31%)



- Red (28%)
- Yellow (75%)
- Blue (78%)



- Cyan (64%)
- Magenta (0%)
- Yellow (60%)
- Black (22%)





- Cyan (72%)
- Magenta (22%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 75.766, 140.163 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 71, 75.766, 140.163 by changing the saturation by 10% instead.


 71, 75.766,
140.163


 71, 75.766,
140.163


 100, 75.766,
140.163


 61, 75.766,
140.163


 91, 75.766,
140.163

 51, 75.766,
140.163

 41, 75.766,
140.163

 31, 75.766,
140.163

 21, 75.766,
140.163

 11, 75.766,
140.163

 1, 75.766, 140.163

■ 0, 75.766, 140.163

■ 71, 75.766,
140.163

■ 71, 75.766,
140.163

■ 70, 84.570,
138.913

■ 72, 65.495,
141.387

■ 70, 91.478,
137.747

■ 73, 54.165,
142.515

■ 70, 96.130,
136.803

■ 74, 42.140,
143.519

■ 70, 97.902,
136.434

■ 76, 29.724,
144.393

■ 77, 17.163,
145.147

■ 79, 4.646, 145.826

■ 81, 7.689, 326.275

■ 83, 19.746,
326.757

■ 86, 31.465,
327.156

Harmonies

Complementary

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



71, 75.766, 140.163



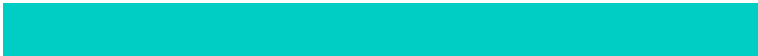
52, 74.464, 329.370

Rectangle

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



71, 75.766, 140.163



71, 75.766, 190.163



71, 75.766, 320.163



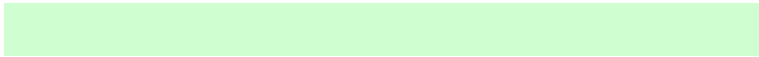
71, 75.766, 10.163

Sweetspot

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



71, 75.766, 140.163



96, 29.213, 144.743



77, 62.858, 106.847



50, 20.116, 144.518



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 75.766, 140.163



88, 106.425, 138.381



72, 51.362, 158.988



41, 7.093, 145.445



58, 84.685, 136.542



11, 25.890, 144.555

Inverse Universe

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



52, 74.464, 329.370



62, 102.627, 329.941



50, 55.524, 354.772



39, 7.106, 326.484



38, 79.229, 330.574



4, 25.487, 328.918

Previews

White Background



This preview shows how the CIELCh color 71, 75.766, 140.163 looks on a white background.

Color Contrast Check

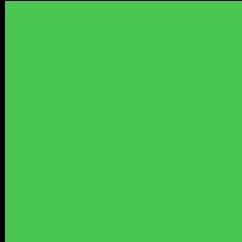
Large Text (above 18pt) WCAG AA × Fail

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 71, 75.766, 140.163 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 71, 75.766, 140.163

Background



This preview shows how black text looks on a background with the CIELCh color 71, 75.766, 140.163.

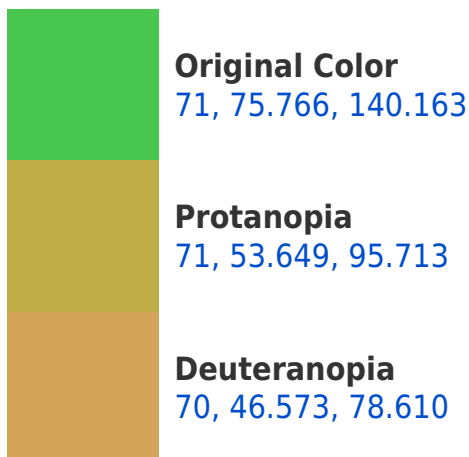


This preview shows how white text looks on a background with the CIELCh color 71, 75.766, 140.163.

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
71, 25.992, 216.175

Trichromacy



Original Color
71, 75.766, 140.163



Protanomaly
70, 57.384, 119.272



Deuteranomaly
69, 48.190, 113.030



Tritanomaly
71, 37.970, 167.154

Monochromacy



Original Color
71, 75.766, 140.163



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 29.913, 144.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 75.766, 140.163 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(72, 198, 79)` looks like.

```
.text, #text, p{  
    color:rgb(72, 198, 79)  
}
```

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(72, 198, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 198, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 75.766, 140.163 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(72, 198, 79) }
```

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

```
.border{ border-color:rgb(72, 198, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 198, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 198, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 198, 79);  
box-shadow:4px 4px 4px 4px rgb(72, 198,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 75.766, 140.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 198, 79) }
```

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

```
.background{ background-color: rgb(72, 198,  
79) }
```

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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