

Converting Colors

CIELCh(71, 76.759, 142.646)

Have a look what the booklet for
CIELCh(71, 76.759, 142.646)
contains.

CIELCh(71, 76.798, 142.632)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 76.798, 142.632)

Conversions

Conversions Part 1

Format	Color
Hex	38C753
RGB	56, 199, 83
RGB Percent	22%, 78%, 33%
CMY	0.7817, 0.2205, 0.6754
CMYK	0.72, 0.00, 0.58, 0.22
HSL	131°, 56%, 50%
HSV	131°, 72%, 78%
XYZ	23.5326, 42.1875, 15.0415
YIQ	143.0190, -47.9920, -66.3920

Conversions

Conversions Part 2

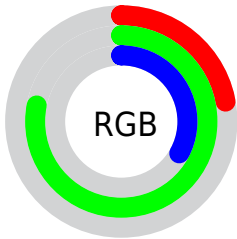
Format	Color
RYB	56, 176, 199
Decimal	3721043
CIELab	71.00, -61.04, 46.61
CIELCh	71, 76.798, 142.632
Yxy	42.1875, 0.2914, 0.5224
Android (android.graphics.Color)	4281911123 (0xFF38C753)
YUV	143.0190, -29.5894, -76.3157
Hunter-Lab	64.9519, -48.9938, 31.7360

Details

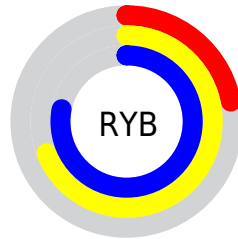
The CIELCh color **71, 76.798, 142.632** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **49, 74.211, 335.056**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 75.721, 142.829**, and **52, 72.682, 139.095** is the 20% darker color. If you saturate the color by 10%, you get **71, 84.315, 141.036**, and if you desaturate by 10%, it is **72, 68.006, 144.130**.

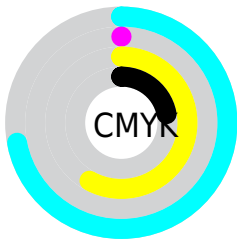
Distribution



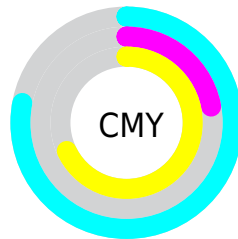
- Red (22%)
- Green (78%)
- Blue (33%)



- Red (22%)
- Yellow (69%)
- Blue (78%)



- Cyan (72%)
- Magenta (0%)
- Yellow (58%)
- Black (22%)





- Cyan (78%)
- Magenta (22%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 76.798, 142.632 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, 76.798, 142.632 by changing the saturation by 10% instead.


 71, 76.798,
142.632


 71, 76.798,
142.632


 100, 76.798,
142.632


 61, 76.798,
142.632


 91, 76.798,
142.632

 51, 76.798,
142.632

 41, 76.798,
142.632

 31, 76.798,
142.632

 21, 76.798,
142.632

 11, 76.798,
142.632

 1, 76.798, 142.632

■ 0, 76.798, 142.632

■ 71, 76.798,
142.632

■ 71, 76.798,
142.632

■ 71, 84.315,
141.036

■ 72, 68.006,
144.130

■ 70, 90.336,
139.425

■ 73, 58.188,
145.484

■ 70, 94.047,
138.265

■ 74, 47.607,
146.679

■ 75, 36.513,
147.719

■ 76, 25.135,
148.619

■ 78, 13.663,
149.400

■ 80, 2.250, 150.178

■ 82, 8.992, 330.583

■ 84, 19.982,
331.101

Harmonies

Complementary

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



71, 76.798, 142.632



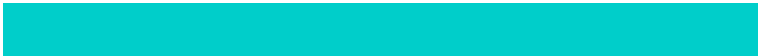
49, 74.211, 335.056

Rectangle

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



71, 76.798, 142.632



71, 76.798, 192.632



71, 76.798, 322.632



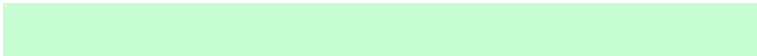
71, 76.798, 12.632

Sweetspot

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



71, 76.798, 142.632



95, 30.779, 148.591



76, 70.168, 113.033



50, 20.682, 148.356



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, 76.798, 142.632



88, 105.785, 140.181



72, 49.658, 166.023



41, 6.454, 149.590



58, 80.795, 138.500



11, 24.240, 147.068

Inverse Universe

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



49, 74.211, 335.056



59, 97.665, 336.339



47, 59.545, 7.186



39, 6.473, 330.711



37, 71.520, 337.419



4, 22.658, 334.505

Previews

White Background



This preview shows how the CIELCh color 71, 76.798, 142.632 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, 76.798, 142.632 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, 76.798, 142.632

Background



This preview shows how black text looks on a background with the CIELCh color 71, 76.798, 142.632.

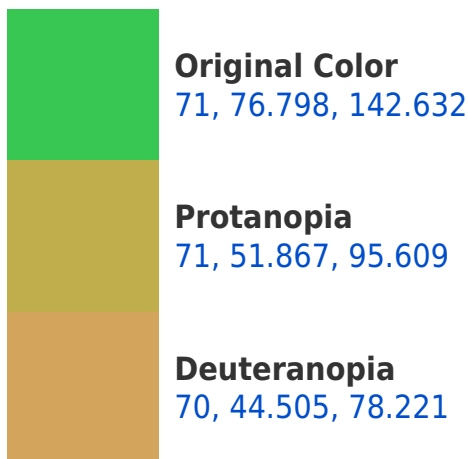


This preview shows how white text looks on a background with the CIELCh color 71, 76.798, 142.632.

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, 28.361, 214.395

Trichromacy



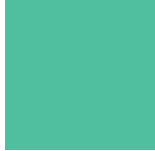
Original Color
71, 76.798, 142.632



Protanomaly
69, 56.402, 122.195



Deuteranomaly
69, 47.274, 116.906



Tritanomaly
71, 39.961, 170.315

Monochromacy



Original Color
71, 76.798, 142.632



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 30.919, 147.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 76.798, 142.632 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, 199, 83)` looks like.

```
.text, #text, p{  
    color:rgb(56, 199, 83)  
}
```

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, 199, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 199, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 76.798, 142.632 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, 199, 83) }
```

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

```
.border{ border-color:rgb(56, 199, 83) }
```

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

Here you see how a box with a 4 pixel rgb(56, 199, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 199, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 199, 83);  
box-shadow:4px 4px 4px 4px rgb(56, 199,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 76.798, 142.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 199, 83) }
```

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

```
.background{ background-color: rgb(56, 199,  
83) }
```

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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