

Converting Colors

CIELCh(72, 80.086, 144.808)

Have a look what the booklet for
CIELCh(72, 80.086, 144.808)
contains.

CIELCh(72, 80.073, 144.790)	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(72, 80.073, 144.790)

Conversions

Conversions Part 1

Format	Color
Hex	1BCB56
RGB	27, 203, 86
RGB Percent	11%, 80%, 34%
CMY	0.8933, 0.2036, 0.6624
CMYK	0.87, 0.00, 0.58, 0.20
HSL	140°, 76%, 45%
HSV	140°, 87%, 80%
XYZ	23.5152, 43.6590, 16.0074
YIQ	137.0380, -67.3390, -73.6990

Conversions

Conversions Part 2

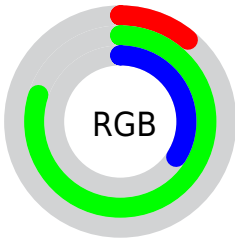
Format	Color
RYB	27, 159, 203
Decimal	1821526
CIELab	72.00, -65.42, 46.17
CIELCh	72, 80.073, 144.790
Yxy	43.6590, 0.2827, 0.5249
Android (android.graphics.Color)	4280011606 (0xFF1BCB56)
YUV	137.0380, -25.1617, -96.5033
Hunter-Lab	66.0750, -52.1054, 31.8889

Details

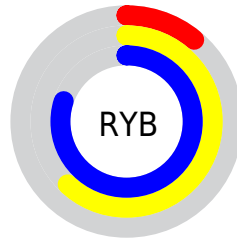
The CIELCh color **72, 80.073, 144.790** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **46, 74.690, 344.850**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 76.815, 145.305**, and **53, 73.181, 139.443** is the 20% darker color. If you saturate the color by 10%, you get **72, 85.651, 142.766**, and if you desaturate by 10%, it is **72, 73.427, 146.704**.

Distribution



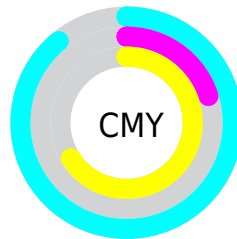
- Red (11%)
- Green (80%)
- Blue (34%)



- Red (11%)
- Yellow (62%)
- Blue (80%)



- Cyan (87%)
- Magenta (0%)
- Yellow (58%)
- Black (20%)





- Cyan (89%)
- Magenta (20%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 80.073, 144.790 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, 80.073, 144.790 by changing the saturation by 10% instead.


 72, 80.073,
144.790


 72, 80.073,
144.790


 100, 80.073,
144.790


 62, 80.073,
144.790


 92, 80.073,
144.790

 52, 80.073,
144.790

 42, 80.073,
144.790

 32, 80.073,
144.790

 22, 80.073,
144.790

 12, 80.073,
144.790

 2, 80.073, 144.790

■ 0, 80.073, 144.790

■ 72, 80.073,
144.790

■ 72, 80.073,
144.790

■ 72, 85.651,
142.766

■ 72, 73.427,
146.704

■ 72, 87.370,
142.115

■ 73, 65.755,
148.447

■ 74, 57.174,
149.997

■ 75, 47.850,
151.359

■ 76, 37.975,
152.546

■ 77, 27.739,
153.581

■ 79, 17.317,
154.488

■ 80, 6.858, 155.307

■ 82, 3.519, 335.849

Harmonies

Complementary

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



72, 80.073, 144.790



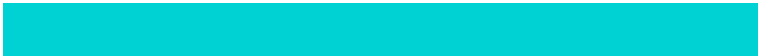
46, 74.690, 344.850

Rectangle

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



72, 80.073, 144.790



72, 80.073, 194.790



72, 80.073, 324.790



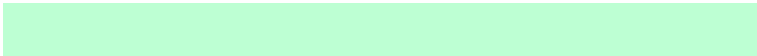
72, 80.073, 14.790

Sweetspot

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



72, 80.073, 144.790



95, 32.615, 153.605



75, 82.541, 120.324



50, 22.083, 153.259



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, 80.073, 144.790



88, 104.413, 141.822



74, 47.820, 176.406



42, 5.924, 155.081



59, 74.577, 142.438



12, 24.116, 149.476

Inverse Universe

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



46, 74.690, 344.850



56, 90.035, 348.045



44, 72.363, 25.525



40, 5.960, 336.350



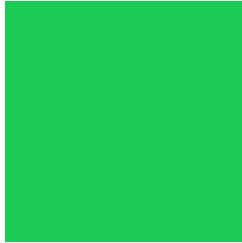
36, 65.568, 347.314



4, 22.129, 342.902

Previews

White Background



This preview shows how the CIELCh color 72, 80.073, 144.790 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, 80.073, 144.790 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, 80.073, 144.790

Background



This preview shows how black text looks on a background with the CIELCh color 72, 80.073, 144.790.



This preview shows how white text looks on a background with the CIELCh color 72, 80.073, 144.790.

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](#).

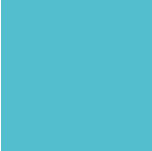
Dichromacy



Original Color
72, 80.073, 144.790

Protanopia
71, 51.820, 95.677

Deuteranopia
71, 43.899, 78.098



Tritanopia
72, 31.305, 212.528

Trichromacy



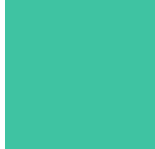
Original Color
72, 80.073, 144.790



Protanomaly
70, 58.463, 126.369



Deuteranomaly
69, 48.496, 122.569



Tritanomaly
71, 43.910, 171.826

Monochromacy



Original Color
72, 80.073, 144.790



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 34.243, 152.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 80.073, 144.790 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(27, 203, 86)` looks like.

```
.text, #text, p{  
    color:rgb(27, 203, 86)  
}
```

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(27, 203, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 203, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 80.073, 144.790 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(27, 203, 86) }
```

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

```
.border{ border-color:rgb(27, 203, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 203, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 203, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 203, 86);  
box-shadow:4px 4px 4px 4px rgb(27, 203,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 80.073, 144.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 203, 86) }
```

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

```
.background{ background-color: rgb(27, 203,  
86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor