

Converting Colors

CIELCh(76, 73.180, 144.978)

Have a look what the booklet for
CIELCh(76, 73.180, 144.978)
contains.

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Color

CIELCh(76, 73.524, 144.885)

Conversions

Conversions Part 1

Format	Color
Hex	48D569
RGB	72, 213, 105
RGB Percent	28%, 84%, 41%
CMY	0.7185, 0.1654, 0.5888
CMYK	0.66, 0.00, 0.51, 0.17
HSL	134°, 63%, 56%
HSV	134°, 66%, 83%
XYZ	28.9489, 49.8872, 21.4252
YIQ	158.5290, -49.3680, -63.4800

Conversions

Conversions Part 2

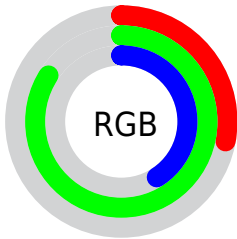
Format	Color
RYB	72, 186, 213
Decimal	4773225
CIELab	76.00, -60.14, 42.29
CIELCh	76, 73.524, 144.885
Yxy	49.8872, 0.2887, 0.4976
Android (android.graphics.Color)	4282963305 (0xFF48D569)
YUV	158.5290, -26.3898, -75.8859
Hunter-Lab	70.6309, -50.4438, 31.4565

Details

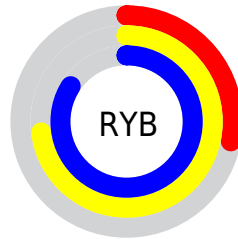
The CIELCh color **76, 73.524, 144.885** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **54, 72.047, 336.650**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 64.589, 145.910**, and **56, 70.988, 142.854** is the 20% darker color. If you saturate the color by 10%, you get **75, 82.063, 143.256**, and if you desaturate by 10%, it is **77, 63.880, 146.359**.

Distribution



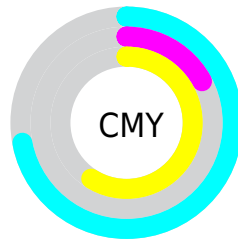
- Red (28%)
- Green (84%)
- Blue (41%)



- Red (28%)
- Yellow (73%)
- Blue (84%)



- Cyan (66%)
- Magenta (0%)
- Yellow (51%)
- Black (17%)





- Cyan (72%)
- Magenta (17%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 73.524, 144.885 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 76, 73.524, 144.885 by changing the saturation by 10% instead.


 76, 73.524,
144.885


 76, 73.524,
144.885


 100, 73.524,
144.885


 66, 73.524,
144.885


 96, 73.524,
144.885

 56, 73.524,
144.885

 46, 73.524,
144.885

 36, 73.524,
144.885

 26, 73.524,
144.885

 16, 73.524,
144.885

 6, 73.524, 144.885

0, 73.524, 144.885

76, 73.524,
144.885

76, 73.524,
144.885

75, 82.063,
143.256

77, 63.880,
146.359

75, 89.290,
141.518

78, 53.365,
147.662

75, 95.058,
139.763

79, 42.228,
148.798

75, 96.882,
139.173

80, 30.702,
149.782

82, 18.996,
150.635

84, 7.280, 151.396

■ 86, 4.313, 331.908

■ 88, 15.686,
332.519

■ 90, 24.974,
327.707

Harmonies

Complementary

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



76, 73.524, 144.885



54, 72.047, 336.650

Rectangle

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



76, 73.524, 144.885



76, 73.524, 194.885



76, 73.524, 324.885



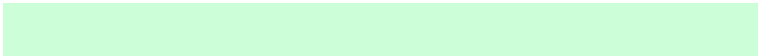
76, 73.524, 14.885

Sweetspot

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



76, 73.525, 144.885



96, 27.066, 150.313



81, 70.186, 115.489



51, 18.470, 150.070



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 73.525, 144.885



89, 98.029, 142.473



77, 47.117, 170.666



44, 6.640, 151.160



61, 81.711, 139.454



14, 28.479, 145.286

Inverse Universe

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



54, 72.047, 336.650



60, 92.392, 338.082



52, 58.719, 9.404



42, 6.665, 332.332



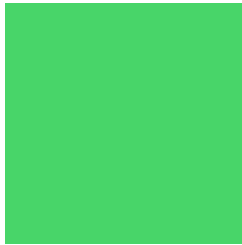
38, 71.560, 340.236



6, 27.737, 337.557

Previews

White Background



This preview shows how the CIE LCh color 76, 73.524, 144.885 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 76, 73.524, 144.885 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 76, 73.524, 144.885

Background



This preview shows how black text looks on a background with the CIELCh color 76, 73.524, 144.885.

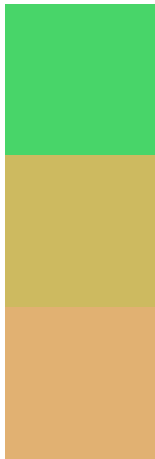


This preview shows how white text looks on a background with the CIELCh color 76, 73.524, 144.885.

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
76, 73.524, 144.885

Protanopia
75, 47.782, 95.734

Deuteranopia
75, 39.973, 75.769



Tritanopia
76, 29.218, 214.815

Trichromacy



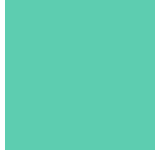
Original Color
76, 73.524, 144.885



Protanomaly
75, 52.746, 123.145



Deuteranomaly
74, 42.432, 118.004



Tritanomaly
76, 39.246, 172.976

Monochromacy



Original Color
76, 73.524, 144.885



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 28.925, 149.625

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 73.524, 144.885 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, 213, 105)` looks like.

```
.text, #text, p{  
    color:rgb(72, 213, 105)  
}
```

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, 213, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 213, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 73.524, 144.885 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, 213, 105) }
```

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

```
.border{ border-color:rgb(72, 213, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 213, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 213, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 213, 105);  
box-shadow:4px 4px 4px 4px rgb(72, 213,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 73.524, 144.885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 213, 105) }
```

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

```
.background{ background-color: rgb(72, 213,  
105) }
```

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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