

Converting Colors

CIELCh(74, 80.385, 144.528)

Have a look what the booklet for
CIELCh(74, 80.385, 144.528)
contains.

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Color

CIELCh(74, 80.595, 144.484)

Conversions

Conversions Part 1

Format	Color
Hex	28D15A
RGB	40, 209, 90
RGB Percent	16%, 82%, 35%
CMY	0.8443, 0.1810, 0.6476
CMYK	0.81, 0.00, 0.57, 0.18
HSL	138°, 68%, 49%
HSV	138°, 81%, 82%
XYZ	25.4643, 46.7039, 17.3135
YIQ	144.9030, -62.5250, -72.8370

Conversions

Conversions Part 2

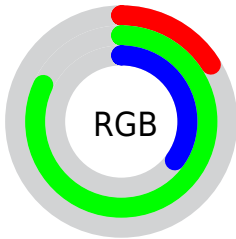
Format	Color
RYB	40, 170, 209
Decimal	2675034
CIELab	74.00, -65.60, 46.82
CIELCh	74, 80.595, 144.484
Yxy	46.7039, 0.2846, 0.5219
Android (android.graphics.Color)	4280865114 (0xFF28D15A)
YUV	144.9030, -27.0672, -91.9999
Hunter-Lab	68.3403, -53.0844, 32.8175

Details

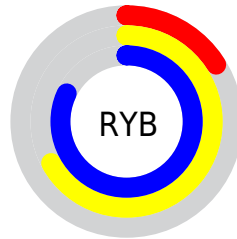
The CIELCh color **74, 80.595, 144.484** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **49, 76.365, 341.561**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 74.154, 145.335**, and **55, 74.707, 139.811** is the 20% darker color. If you saturate the color by 10%, you get **74, 87.008, 142.575**, and if you desaturate by 10%, it is **75, 73.009, 146.266**.

Distribution



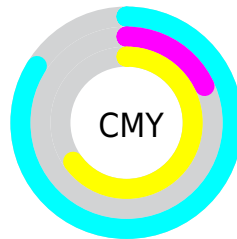
- Red (16%)
- Green (82%)
- Blue (35%)



- Red (16%)
- Yellow (67%)
- Blue (82%)



- Cyan (81%)
- Magenta (0%)
- Yellow (57%)
- Black (18%)



- Cyan (84%)
- Magenta (18%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 80.595, 144.484 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 74, 80.595, 144.484 by changing the saturation by 10% instead.

 74, 80.595,
144.484

 74, 80.595,
144.484

 100, 80.595,
144.484

 64, 80.595,
144.484

 94, 80.595,
144.484

 54, 80.595,
144.484

 44, 80.595,
144.484

 34, 80.595,
144.484

 24, 80.595,
144.484

 14, 80.595,
144.484

 4, 80.595, 144.484

■ 0, 80.595, 144.484

■ 74, 80.595,
144.484

■ 74, 80.595,
144.484

■ 74, 87.008,
142.575

■ 75, 73.009,
146.266

■ 73, 91.810,
140.868

■ 75, 64.368,
147.876

■ 76, 54.847,
149.301

■ 77, 44.650,
150.546

■ 79, 33.988,
151.628

■ 80, 23.062,
152.570

■ 82, 12.043,
153.398

■ 84, 1.071, 154.407

■ 86, 9.748, 334.671

Harmonies

Complementary

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



74, 80.595, 144.484



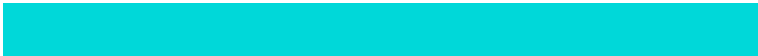
49, 76.365, 341.561

Rectangle

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



74, 80.595, 144.484



74, 80.595, 194.484



74, 80.595, 324.484



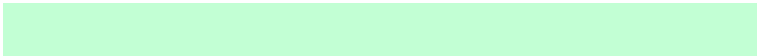
74, 80.595, 14.484

Sweetspot

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



74, 80.595, 144.484



95, 31.006, 152.274



78, 80.358, 117.808



50, 21.287, 151.935



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 80.595, 144.484



88, 105.596, 141.186



75, 49.988, 172.480



43, 6.219, 153.522



60, 77.612, 141.187



13, 26.128, 147.582

Inverse Universe

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



49, 76.365, 341.561



57, 92.176, 344.467



46, 68.772, 18.995



41, 6.250, 334.752



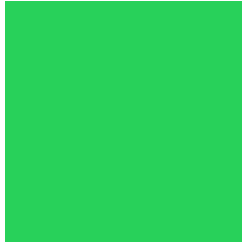
37, 67.860, 344.481



5, 24.765, 340.732

Previews

White Background



This preview shows how the CIELCh color 74, 80.595, 144.484 looks on a white background.

Color Contrast Check

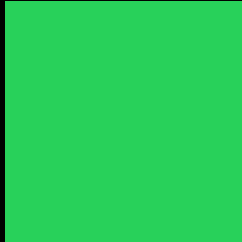
Large Text (above 18pt) WCAG AA × Fail

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 74, 80.595, 144.484 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 74, 80.595, 144.484

Background



This preview shows how black text looks on a background with the CIELCh color 74, 80.595, 144.484.



This preview shows how white text looks on a background with the CIELCh color 74, 80.595, 144.484.

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

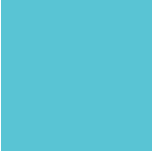
74, 80.595, 144.484

Protanopia

73, 52.235, 95.393

Deuteranopia

73, 44.356, 78.019



Tritanopia
74, 31.281, 213.559

Trichromacy



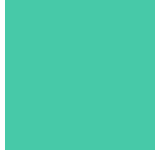
Original Color
74, 80.595, 144.484



Protanomaly
72, 58.149, 124.852



Deuteranomaly
71, 48.428, 121.083



Tritanomaly
74, 43.723, 171.954

Monochromacy



Original Color
74, 80.595, 144.484



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 33.309, 151.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 80.595, 144.484 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(40, 209, 90)` looks like.

```
.text, #text, p{  
    color:rgb(40, 209, 90)  
}
```

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(40, 209, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 209, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 80.595, 144.484 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(40, 209, 90) }
```

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

```
.border{ border-color:rgb(40, 209, 90) }
```

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

Here you see how a box with a 4 pixel rgb(40, 209, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 209, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 209, 90);  
box-shadow:4px 4px 4px 4px rgb(40, 209,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 80.595, 144.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 209, 90) }
```

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

```
.background{ background-color: rgb(40, 209,  
90) }
```

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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