

Converting Colors

CIELCh(74, 82.081, 142.645)

Have a look what the booklet for
CIELCh(74, 82.081, 142.645)
contains.

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Color

CIELCh(74, 82.370, 142.550)

Conversions

Conversions Part 1

Format	Color
Hex	30D153
RGB	48, 209, 83
RGB Percent	19%, 82%, 33%
CMY	0.8099, 0.1816, 0.6756
CMYK	0.77, 0.00, 0.60, 0.18
HSL	133°, 63%, 50%
HSV	133°, 77%, 82%
XYZ	25.5137, 46.7039, 15.7944
YIQ	146.4970, -55.5100, -73.3180

Conversions

Conversions Part 2

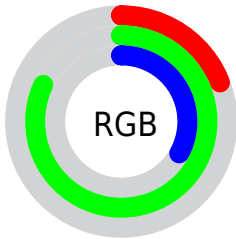
Format	Color
RYB	48, 180, 209
Decimal	3199315
CIELab	74.00, -65.39, 50.09
CIELCh	74, 82.370, 142.550
Yxy	46.7039, 0.2899, 0.5307
Android (android.graphics.Color)	4281389395 (0xFF30D153)
YUV	146.4970, -31.3040, -86.3819
Hunter-Lab	68.3403, -52.9554, 34.1355

Details

The CIELCh color **74, 82.370, 142.550** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **50, 78.615, 336.614**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 76.052, 143.110**, and **55, 77.136, 138.455** is the 20% darker color. If you saturate the color by 10%, you get **74, 89.442, 140.863**, and if you desaturate by 10%, it is **75, 73.935, 144.151**.

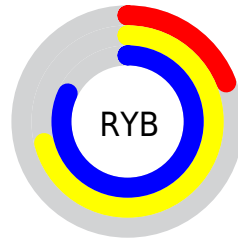
Distribution



 Red (19%)

 Green (82%)

 Blue (33%)




 Red (19%)

 Yellow (71%)

 Blue (82%)

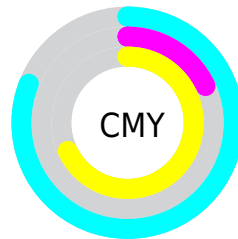


 Cyan (77%)


 Magenta (0%)

 Yellow (60%)

 Black (18%)



 Cyan (81%)

 Magenta (18%)


 Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 82.370, 142.550 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, 82.370, 142.550 by changing the saturation by 10% instead.


 74, 82.370,
142.550

 74, 82.370,
142.550


 100, 82.370,
142.550


 64, 82.370,
142.550


 94, 82.370,
142.550

 54, 82.370,
142.550

 44, 82.370,
142.550

 34, 82.370,
142.550

 24, 82.370,
142.550

 14, 82.370,
142.550

 4, 82.370, 142.550

0, 82.370, 142.550

74, 82.370,
142.550

74, 82.370,
142.550

74, 89.442,
140.863

75, 73.935,
144.151

73, 94.986,
139.192

75, 64.357,
145.610

73, 96.493,
138.719

76, 53.885,
146.905

78, 42.773,
148.036

79, 31.262,
149.016

81, 19.565,
149.864

■ 82, 7.854, 150.615

■ 84, 3.736, 331.117

■ 87, 15.108,
331.729

Harmonies

Complementary

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



74, 82.370, 142.550



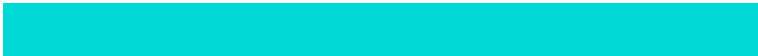
50, 78.615, 336.614

Rectangle

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



74, 82.370, 142.550



74, 82.370, 192.550



74, 82.370, 322.550



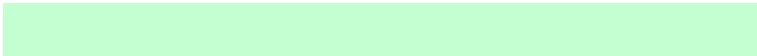
74, 82.370, 12.550

Sweetspot

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



74, 82.370, 142.550



95, 31.615, 149.326



79, 76.390, 113.795



50, 21.877, 149.002



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, 82.370, 142.550



88, 108.310, 139.798



75, 52.921, 166.360



43, 6.609, 150.422



60, 81.708, 138.984



13, 27.365, 145.821

Inverse Universe

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



50, 78.615, 336.614



58, 97.309, 338.287



48, 64.937, 10.352



41, 6.631, 331.571



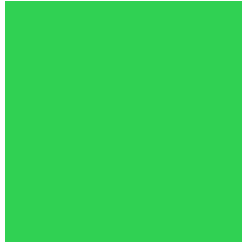
38, 71.847, 338.907



5, 26.377, 336.315

Previews

White Background



This preview shows how the CIELCh color 74, 82.370, 142.550 looks on a white background.

Color Contrast Check

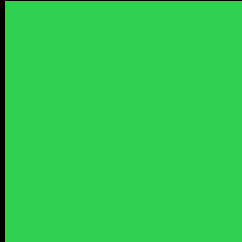
Large Text (above 18pt) WCAG AA × Fail

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, 82.370, 142.550 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, 82.370, 142.550

Background



This preview shows how black text looks on a background with the CIELCh color 74, 82.370, 142.550.



This preview shows how white text looks on a background with the CIELCh color 74, 82.370, 142.550.

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

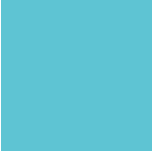
74, 82.462, 142.618

Protanopia

74, 55.769, 95.643

Deuteranopia

73, 47.791, 79.055



Tritanopia
74, 30.303, 213.066

Trichromacy



Original Color
74, 82.462, 142.618



Protanomaly
72, 61.079, 122.517



Deuteranomaly
71, 51.241, 118.133



Tritanomaly
74, 44.000, 169.015

Monochromacy



Original Color
74, 82.462, 142.618



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 33.855, 148.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 82.370, 142.550 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(48, 209, 83)` looks like.

```
.text, #text, p{  
    color:rgb(48, 209, 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(48, 209, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 209, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 82.370, 142.550 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(48, 209, 83) }
```

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

```
.border{ border-color:rgb(48, 209, 83) }
```

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

Here you see how a box with a 4 pixel rgb(48, 209, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 209, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 209, 83);  
box-shadow:4px 4px 4px 4px rgb(48, 209,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 82.370, 142.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 209, 83) }
```

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

```
.background{ background-color: rgb(48, 209,  
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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