

Converting Colors

CIELCh(70, 74.386, 145.225)

Have a look what the booklet for
CIELCh(70, 74.386, 145.225)
contains.

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Color

CIELCh(70, 74.386, 145.225)

Conversions

Conversions Part 1

Format	Color
Hex	2BC459
RGB	43, 196, 89
RGB Percent	17%, 77%, 35%
CMY	0.8309, 0.2311, 0.6507
CMYK	0.78, 0.00, 0.55, 0.23
HSL	138°, 64%, 47%
HSV	138°, 78%, 77%
XYZ	22.5624, 40.7494, 16.1412
YIQ	138.0550, -56.8410, -65.7130

Conversions

Conversions Part 2

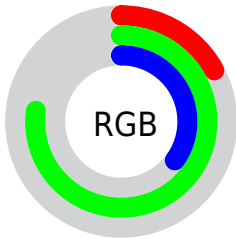
Format	Color
RYB	43, 161, 196
Decimal	2868313
CIELab	70.00, -61.10, 42.43
CIELCh	70, 74.386, 145.225
Yxy	40.7494, 0.2840, 0.5129
Android (android.graphics.Color)	4281058393 (0xFF2BC459)
YUV	138.0550, -24.1841, -83.3632
Hunter-Lab	63.8353, -48.6214, 29.6928

Details

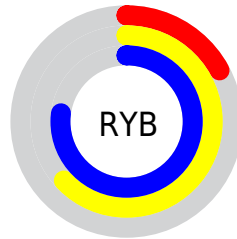
The CIELCh color **70, 74.386, 145.225** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **47, 71.345, 341.322**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 74.568, 145.078**, and **51, 68.932, 140.704** is the 20% darker color. If you saturate the color by 10%, you get **70, 80.845, 143.351**, and if you desaturate by 10%, it is **71, 66.856, 146.951**.

Distribution



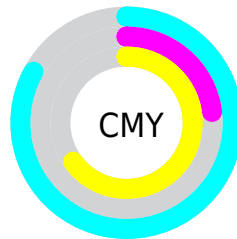
- Red (17%)
- Green (77%)
- Blue (35%)



- Red (17%)
- Yellow (63%)
- Blue (77%)



- Cyan (78%)
- Magenta (0%)
- Yellow (55%)
- Black (23%)




- Cyan (83%)
- Magenta (23%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 74.386, 145.225 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 70, 74.386, 145.225 by changing the saturation by 10% instead.

 70, 74.386,
145.225

 70, 74.386,
145.225


 100, 74.386,
145.225


 60, 74.386,
145.225


 90, 74.386,
145.225

 50, 74.386,
145.225

 40, 74.386,
145.225

 30, 74.386,
145.225

 20, 74.386,
145.225

 10, 74.386,
145.225

 0, 74.386, 145.225

■ 70, 74.386,
145.225

■ 70, 74.386,
145.225

■ 70, 80.845,
143.351

■ 71, 66.856,
146.951

■ 69, 86.196,
141.423

■ 71, 58.382,
148.498

■ 69, 87.167,
141.071

■ 72, 49.139,
149.861

■ 73, 39.323,
151.049

■ 75, 29.129,
152.083

■ 76, 18.737,
152.985

■ 78, 8.301, 153.788

■ 80, 2.059, 334.269

■ 82, 12.251,
335.008

Harmonies

Complementary

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



70, 74.386, 145.225



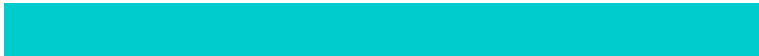
47, 71.345, 341.322

Rectangle

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



70, 74.386, 145.225



70, 74.386, 195.225



70, 74.386, 325.225



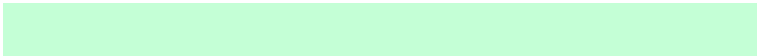
70, 74.386, 15.225

Sweetspot

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



70, 74.386, 145.225



95, 29.629, 152.517



74, 75.023, 118.474



50, 20.497, 152.177



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 74.386, 145.225



88, 103.499, 141.898



71, 45.833, 174.530



40, 5.824, 153.682



58, 74.658, 141.383



10, 20.923, 150.159

Inverse Universe

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



47, 71.345, 341.322



57, 91.917, 344.150



44, 63.825, 18.898



38, 5.854, 334.904



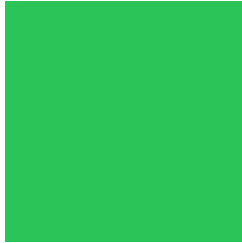
35, 65.457, 344.682



4, 18.253, 340.252

Previews

White Background



This preview shows how the CIELCh color 70, 74.386, 145.225 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 70, 74.386, 145.225 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 70, 74.386, 145.225

Background



This preview shows how black text looks on a background with the CIELCh color 70, 74.386, 145.225.



This preview shows how white text looks on a background with the CIELCh color 70, 74.386, 145.225.

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](#).

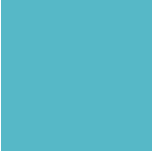
Dichromacy



Original Color
70, 74.386, 145.225

Protanopia
69, 47.708, 95.716

Deuteranopia
69, 40.174, 77.686



Tritanopia
70, 29.296, 213.808

Trichromacy



Original Color
70, 74.386, 145.225



Protanomaly
68, 53.099, 125.333



Deuteranomaly
68, 43.579, 120.952



Tritanomaly
69, 40.272, 172.921

Monochromacy



Original Color
70, 74.386, 145.225



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 30.713, 151.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 74.386, 145.225 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(43, 196, 89)` looks like.

```
.text, #text, p{  
    color:rgb(43, 196, 89)  
}
```

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(43, 196, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 196, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 74.386, 145.225 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(43, 196, 89) }
```

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

```
.border{ border-color:rgb(43, 196, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 196, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 196, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 196, 89);  
box-shadow:4px 4px 4px 4px rgb(43, 196,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 74.386, 145.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 196, 89) }
```

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

```
.background{ background-color: rgb(43, 196,  
89) }
```

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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