

Converting Colors

CIELCh(75, 69.596, 145.770)

Have a look what the booklet for
CIELCh(75, 69.596, 145.770)
contains.

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Color

CIELCh(75, 69.478, 145.880)

Conversions

Conversions Part 1

Format	Color
Hex	4BD16D
RGB	75, 209, 109
RGB Percent	29%, 82%, 43%
CMY	0.7052, 0.1798, 0.5720
CMYK	0.64, 0.00, 0.48, 0.18
HSL	135°, 59%, 56%
HSV	135°, 64%, 82%
XYZ	28.5158, 48.2781, 22.3193
YIQ	157.5340, -47.7640, -59.5080

Conversions

Conversions Part 2

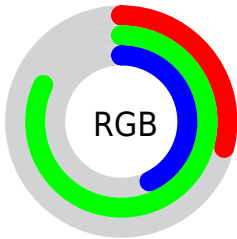
Format	Color
RYB	75, 182, 209
Decimal	4968813
CIELab	75.00, -57.52, 38.97
CIELCh	75, 69.478, 145.880
Yxy	48.2781, 0.2877, 0.4871
Android (android.graphics.Color)	4283158893 (0xFF4BD16D)
YUV	157.5340, -23.9273, -72.3823
Hunter-Lab	69.4824, -48.3374, 29.5924

Details

The CIELCh color **75, 69.478, 145.880** 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, 68.496, 337.338**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 62.816, 146.841**, and **55, 67.238, 144.437** is the 20% darker color. If you saturate the color by 10%, you get **74, 78.067, 144.261**, and if you desaturate by 10%, it is **76, 59.886, 147.330**.

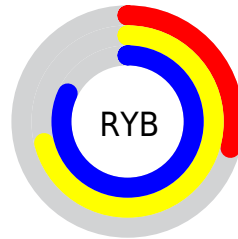
Distribution



Red (29%)

Green (82%)

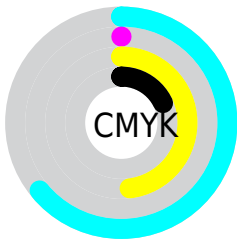
Blue (43%)



Red (29%)

Yellow (71%)

Blue (82%)

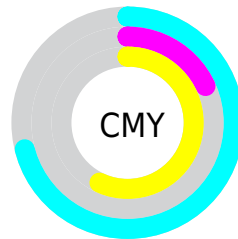


Cyan (64%)

Magenta (0%)

Yellow (48%)

Black (18%)



Cyan (71%)


Magenta (18%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 69.478, 145.880 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 75, 69.478, 145.880 by changing the saturation by 10% instead.


 75, 69.478,
145.880

 75, 69.478,
145.880


 100, 69.478,
145.880


 65, 69.478,
145.880


 95, 69.478,
145.880

 55, 69.478,
145.880

 45, 69.478,
145.880

 35, 69.478,
145.880

 25, 69.478,
145.880

 15, 69.478,
145.880

 5, 69.478, 145.880

0, 69.478, 145.880

75, 69.478,
145.880

75, 69.478,
145.880

74, 78.067,
144.261

76, 59.886,
147.330

74, 85.458,
142.506

77, 49.512,
148.604

74, 91.510,
140.686

78, 38.590,
149.712

73, 94.509,
139.670

80, 27.338,
150.673

81, 15.948,
151.510

83, 4.577, 152.281

■ 85, 6.656, 332.783

■ 87, 17.662,
333.363

■ 89, 26.540,
328.848

Harmonies

Complementary

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



75, 69.478, 145.880



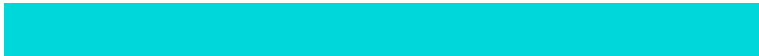
54, 68.496, 337.338

Rectangle

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



75, 69.478, 145.880



75, 69.478, 195.880



75, 69.478, 325.880



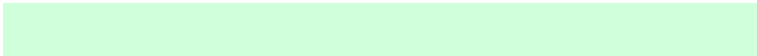
75, 69.478, 15.880

Sweetspot

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



75, 69.479, 145.880



96, 25.346, 151.093



79, 67.558, 116.301



51, 17.450, 150.846



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 69.479, 145.880



89, 94.108, 143.604



76, 44.658, 172.327



43, 6.419, 151.867



60, 79.844, 139.965



13, 26.787, 146.617

Inverse Universe

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



54, 68.496, 337.338



61, 89.698, 338.762



52, 56.185, 10.013



41, 6.445, 333.053



38, 69.837, 341.479



5, 25.580, 338.350

Previews

White Background



This preview shows how the CIELCh color 75, 69.478, 145.880 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 75, 69.478, 145.880 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 75, 69.478, 145.880

Background



This preview shows how black text looks on a background with the CIELCh color 75, 69.478, 145.880.

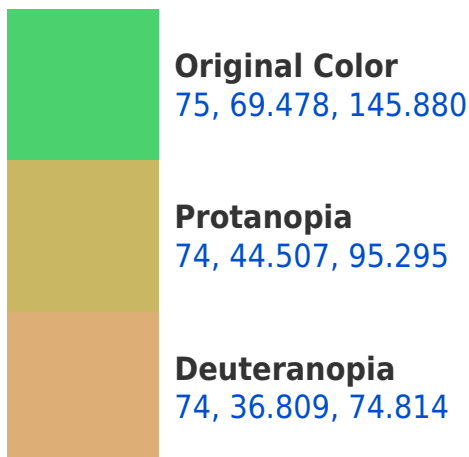


This preview shows how white text looks on a background with the CIELCh color 75, 69.478, 145.880.

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





Tritanopia
75, 28.124, 215.628

Trichromacy



Original Color
75, 69.478, 145.880



Protanomaly
74, 49.374, 123.616



Deuteranomaly
73, 38.897, 118.101



Tritanomaly
74, 37.124, 174.295

Monochromacy



Original Color
75, 69.478, 145.880



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 27.627, 150.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 69.478, 145.880 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(75, 209, 109)` looks like.

```
.text, #text, p{  
    color:rgb(75, 209, 109)  
}
```

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(75, 209, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 209, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 69.478, 145.880 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(75, 209, 109) }
```

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

```
.border{ border-color:rgb(75, 209, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 209, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 209, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 209, 109);  
box-shadow:4px 4px 4px 4px rgb(75, 209,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 69.478, 145.880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 209, 109) }
```

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

```
.background{ background-color: rgb(75, 209,  
109) }
```

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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