

# Converting Colors

CIELCh(75, 75.437, 140.555)

Have a look what the booklet for  
CIELCh(75, 75.437, 140.555)  
contains.

<b>CIELCh(75, 75.146, 140.624)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(75, 75.146, 140.624)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54D15B
RGB	84, 209, 91
RGB Percent	33%, 82%, 36%
CMY	0.6703, 0.1801, 0.6429
CMYK	0.60, 0.00, 0.56, 0.18
HSL	123°, 58%, 57%
HSV	123°, 60%, 82%
XYZ	28.3705, 48.2781, 17.7344
YIQ	158.1730, -36.6220, -63.1980

# Conversions

## Conversions Part 2

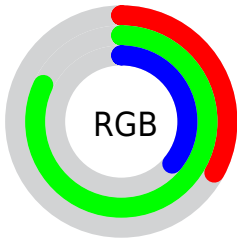
<b>Format</b>	<b>Color</b>
<b>RYB</b>	84, 202, 209
Decimal	5558619
CIELab	75.00, -58.09, 47.67
CIELCh	75, 75.146, 140.624
Yxy	48.2781, 0.3006, 0.5115
Android (android.graphics.Color)	4283748699 (0xFF54D15B)
YUV	158.1730, -33.1163, -65.0497
Hunter-Lab	69.4824, -48.7107, 33.5048

# Details

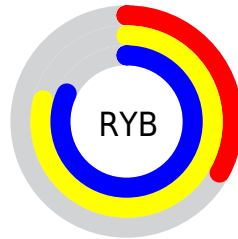
The CIELCh color **75, 75.146, 140.624** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **56, 74.130, 329.196**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 68.542, 140.810**, and **55, 74.411, 139.981** is the 20% darker color. If you saturate the color by 10%, you get **74, 84.985, 139.370**, and if you desaturate by 10%, it is **76, 63.933, 141.822**.

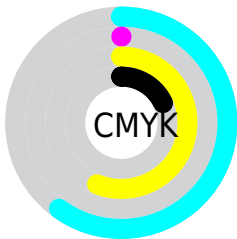
# Distribution



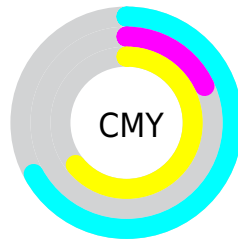
- Red (33%)
- Green (82%)
- Blue (36%)



- Red (33%)
- Yellow (79%)
- Blue (82%)



- Cyan (60%)
- Magenta (0%)
- Yellow (56%)
- Black (18%)




- Cyan (67%)
- Magenta (18%)
- Yellow (64%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 75.146, 140.624 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, 75.146, 140.624 by changing the saturation by 10% instead.





 75, 75.146,  
140.624


 75, 75.146,  
140.624


 100, 75.146,  
140.624


 65, 75.146,  
140.624


 95, 75.146,  
140.624

 55, 75.146,  
140.624

 45, 75.146,  
140.624

 35, 75.146,  
140.624

 25, 75.146,  
140.624

 15, 75.146,  
140.624

 5, 75.146, 140.624

0, 75.146, 140.624

75, 75.146,  
140.624

75, 75.146,  
140.624

74, 84.985,  
139.370

76, 63.933,  
141.822

74, 92.996,  
138.154

77, 51.758,  
142.909

73, 98.757,  
137.110

78, 38.981,  
143.866

73, 102.095,  
136.414

80, 25.901,  
144.694

73, 102.144,  
136.406

82, 12.753,  
145.410

84, 0.286, 325.006

■ 86, 13.088,  
326.476

■ 88, 25.570,  
326.920

■ 89, 28.793,  
325.427

# Harmonies

# Complementary

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



75, 75.146, 140.624



56, 74.130, 329.196

# Rectangle

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



75, 75.146, 140.624



75, 75.146, 190.624



75, 75.146, 320.624



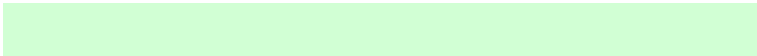
75, 75.146, 10.624

# Sweetspot

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



75, 75.147, 140.624



96, 27.672, 144.814



81, 62.335, 107.089



51, 19.242, 144.588



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, 75.147, 140.624



89, 101.791, 138.991



76, 50.949, 159.596



43, 7.393, 145.435



60, 86.674, 136.521



13, 29.697, 142.981



# Inverse Universe

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



56, 74.130, 329.196



64, 98.899, 329.746



54, 55.081, 353.984



41, 7.406, 326.481



39, 81.053, 330.571



6, 29.817, 329.701



# Previews

## White Background



This preview shows how the CIELCh color 75, 75.146, 140.624 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, 75.146, 140.624 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, 75.146, 140.624

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 75.146, 140.624.

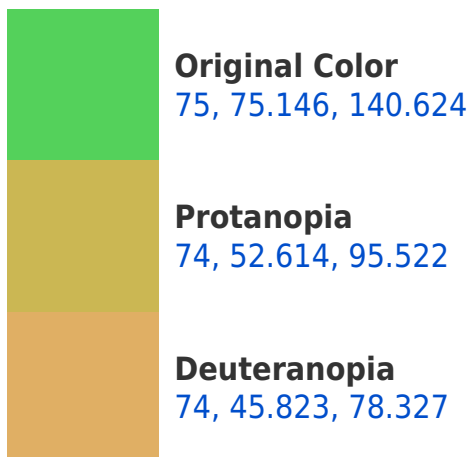


This preview shows how white text looks on a background with the CIELCh color 75, 75.146, 140.624.

# 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, 26.135, 217.195

# Trichromacy



**Original Color**  
75, 75.146, 140.624



**Protanomaly**  
73, 56.066, 118.863



**Deuteranomaly**  
73, 47.339, 112.816



**Tritanomaly**  
74, 37.516, 168.197

# Monochromacy



**Original Color**  
75, 75.146, 140.624



**Achromatopsia**  
65, 0.008, 296.813



**Achromatomaly**  
68, 29.533, 144.481

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 75.146, 140.624 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(84, 209, 91)` looks like.

```
.text, #text, p{  
    color:rgb(84, 209, 91)  
}
```

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(84, 209, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 209, 91) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 75.146, 140.624 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(84, 209, 91) }
```

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

```
.border{ border-color:rgb(84, 209, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 209, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 209, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 209, 91);  
box-shadow:4px 4px 4px 4px rgb(84, 209,  
91) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 75.146, 140.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 209, 91) }
```

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

```
.background{ background-color: rgb(84, 209,  
91) }
```

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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