

Converting Colors

CIELCh(67, 74.809, 142.540)

Have a look what the booklet for
CIELCh(67, 74.809, 142.540)
contains.

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Color

CIElCh(67, 74.809, 142.540)

Conversions

Conversions Part 1

Format	Color
Hex	2FBB4B
RGB	47, 187, 75
RGB Percent	18%, 73%, 29%
CMY	0.8159, 0.2668, 0.7060
CMYK	0.75, 0.00, 0.60, 0.27
HSL	132°, 60%, 46%
HSV	132°, 75%, 73%
XYZ	20.1987, 36.6320, 12.6553
YIQ	132.3720, -47.4880, -64.5120

Conversions

Conversions Part 2

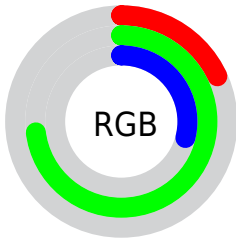
Format	Color
RYB	47, 164, 187
Decimal	3128139
CIELab	67.00, -59.38, 45.50
CIElCh	67, 74.809, 142.540
Yxy	36.6320, 0.2907, 0.5272
Android (android.graphics.Color)	4281318219 (0xFF2FBB4B)
YUV	132.3720, -28.2844, -74.8712
Hunter-Lab	60.5244, -46.3470, 29.9698

Details

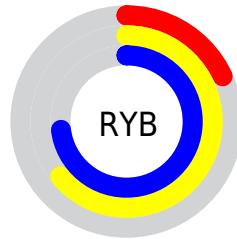
The CIELCh color **67, 74.809, 142.540** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **46, 71.850, 335.755**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 74.760, 142.556**, and **48, 69.695, 138.201** is the 20% darker color. If you saturate the color by 10%, you get **67, 81.609, 140.910**, and if you desaturate by 10%, it is **68, 66.776, 144.080**.

Distribution



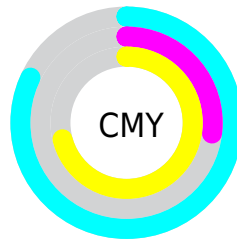
- Red (18%)
- Green (73%)
- Blue (29%)



- Red (18%)
- Yellow (64%)
- Blue (73%)



- Cyan (75%)
- Magenta (0%)
- Yellow (60%)
- Black (27%)





- Cyan (82%)
- Magenta (27%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 74.809, 142.540 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 67, 74.809, 142.540 by changing the saturation by 10% instead.


 67, 74.809,
142.540


 67, 74.809,
142.540


 100, 74.809,
142.540


 57, 74.809,
142.540


 87, 74.809,
142.540

 47, 74.809,
142.540

 97, 74.809,
142.540

 37, 74.809,
142.540

 27, 74.809,
142.540

 17, 74.809,
142.540

 7, 74.809, 142.540

 0, 74.809, 142.540

■ 67, 74.809,
142.540

■ 67, 74.809,
142.540

■ 67, 81.609,
140.910

■ 68, 66.776,
144.080

■ 66, 86.994,
139.281

■ 68, 57.730,
145.479

■ 66, 89.238,
138.553

■ 69, 47.908,
146.719

■ 70, 37.546,
147.801

■ 72, 26.861,
148.739

■ 73, 16.041,
149.552

■ 75, 5.238, 150.285

■ 77, 5.432, 330.776

■ 79, 15.886,
331.335

Harmonies

Complementary

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



67, 74.809, 142.540



46, 71.850, 335.755

Rectangle

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



67, 74.809, 142.540



67, 74.809, 192.540



67, 74.809, 322.540



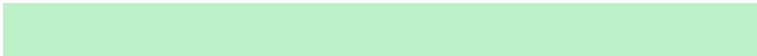
67, 74.809, 12.540

Sweetspot

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



67, 74.809, 142.540



91, 29.296, 148.956



72, 68.898, 113.802



48, 19.845, 148.723



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



67, 74.809, 142.540



84, 103.619, 139.834



68, 47.761, 166.792



39, 6.132, 149.960



57, 78.425, 138.771



9, 19.653, 148.422

Inverse Universe

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



46, 71.850, 335.755



56, 94.154, 337.276



43, 58.437, 9.444



37, 6.151, 331.081



36, 69.345, 338.023



3, 17.623, 334.217

Previews

White Background



This preview shows how the CIELCh color 67, 74.809, 142.540 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 67, 74.809, 142.540 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 67, 74.809, 142.540

Background



This preview shows how black text looks on a background with the CIELCh color 67, 74.809, 142.540.

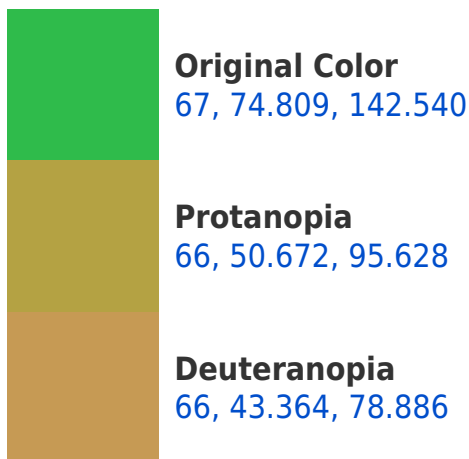


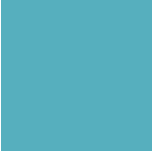
This preview shows how white text looks on a background with the CIELCh color 67, 74.809, 142.540.

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
67, 27.364, 215.252

Trichromacy



Original Color
67, 74.809, 142.540



Protanomaly
65, 55.248, 122.206



Deuteranomaly
65, 46.283, 117.730



Tritanomaly
66, 38.840, 170.008

Monochromacy



Original Color
67, 74.809, 142.540



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 30.614, 147.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 74.809, 142.540 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(47, 187, 75)` looks like.

```
.text, #text, p{  
    color:rgb(47, 187, 75)  
}
```

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(47, 187, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 187, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 74.809, 142.540 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(47, 187, 75) }
```

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

```
.border{ border-color:rgb(47, 187, 75) }
```

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

Here you see how a box with a 4 pixel rgb(47, 187, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 187, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 187, 75);  
box-shadow:4px 4px 4px 4px rgb(47, 187,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 74.809, 142.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 187, 75) }
```

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

```
.background{ background-color: rgb(47, 187,  
75) }
```

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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