

Converting Colors

CIELCh(48, 66.540, 140.347)

Have a look what the booklet for
CIELCh(48, 66.540, 140.347)
contains.

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Color

CIELCh(48, 66.812, 140.224)

Conversions

Conversions Part 1

Format	Color
Hex	008521
RGB	0, 133, 33
RGB Percent	0%, 52%, 13%
CMY	1.0000, 0.4796, 0.8718
CMYK	1.00, 0.00, 0.75, 0.48
HSL	135°, 100%, 26%
HSV	135°, 100%, 52%
XYZ	8.6051, 16.7945, 4.2043
YIQ	81.8330, -47.1680, -59.2960

Conversions

Conversions Part 2

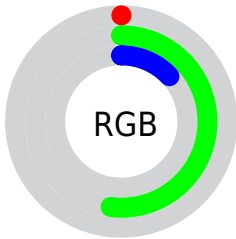
Format	Color
RYB	0, 107, 133
Decimal	34081
CIELab	48.00, -51.35, 42.75
CIELCh	48, 66.812, 140.224
Yxy	16.7945, 0.2907, 0.5673
Android (android.graphics.Color)	4278224161 (0xFF008521)
YUV	81.8330, -24.0747, -71.7675
Hunter-Lab	40.9810, -34.2358, 22.6040

Details

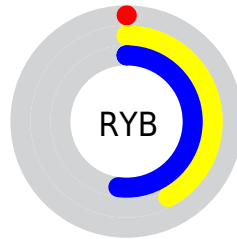
The CIELCh color **48, 66.812, 140.224** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **29, 59.196, 340.676**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 66.630, 140.181**, and **29, 52.535, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **48, 66.768, 140.182**, and if you desaturate by 10%, it is **48, 62.720, 141.784**.

Distribution



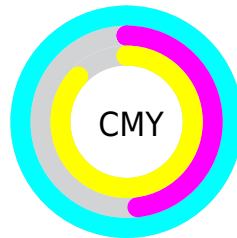
- Red (0%)
- Green (52%)
- Blue (13%)



- Red (0%)
- Yellow (42%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (48%)



- Cyan (100%)
- Magenta (48%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 66.812, 140.224 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 48, 66.812, 140.224 by changing the saturation by 10% instead.

 48, 66.812,
140.224


 48, 66.812,
140.224

 100, 66.812,
140.224

 38, 66.812,
140.224

 68, 66.812,
140.224

 28, 66.812,
140.224

 78, 66.812,
140.224

 18, 66.812,
140.224

 88, 66.812,
140.224

 8, 66.812, 140.224

 98, 66.812,
140.224

 0, 66.812, 140.224

 48, 66.812,

 48, 66.812,


140.224


140.224


 48, 66.768,
140.182


 48, 62.720,
141.784


 48, 57.877,
143.491


 49, 52.190,
145.093

 49, 45.776,
146.547

 50, 38.777,
147.840

 51, 31.344,
148.974

 52, 23.627,
149.963

 53, 15.757,
150.824

Harmonies

Complementary

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



48, 66.812, 140.224



29, 59.196, 340.676

Rectangle

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



48, 66.812, 140.224



48, 66.812, 190.224



48, 66.812, 320.224



48, 66.812, 10.224

Sweetspot

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



48, 66.768, 140.182



66, 29.392, 149.899



51, 61.645, 116.168



34, 19.941, 149.558



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 66.768, 140.182



62, 82.068, 139.735



49, 41.309, 165.238



27, 4.422, 151.647



47, 65.742, 140.221



1, 1.056, 152.207

Inverse Universe

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



29, 59.196, 340.676



39, 71.724, 341.041



27, 54.353, 22.328



26, 4.439, 332.740



28, 58.358, 340.645



0, 1.056, 332.201

Previews

White Background



This preview shows how the CIELCh color 48, 66.812, 140.224 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 48, 66.812, 140.224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

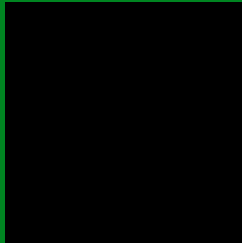
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 66.812, 140.224

Background



This preview shows how black text looks on a background with the CIELCh color 48, 66.812, 140.224.



This preview shows how white text looks on a background with the CIELCh color 48, 66.812, 140.224.

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

48, 66.812, 140.224

Protanopia

48, 46.614, 95.431

Deuteranopia

48, 40.845, 81.003



Tritanopia
48, 22.073, 212.958

Trichromacy



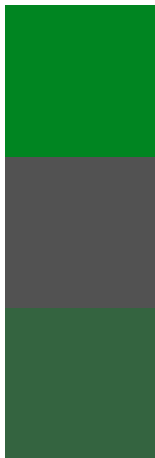
Original Color
48, 66.812, 140.224

Protanomaly
46, 51.771, 124.121

Deuteranomaly
46, 44.716, 120.461

Tritanomaly
47, 35.315, 165.723

Monochromacy



Original Color
48, 66.812, 140.224

Achromatopsia
35, 0.005, 296.813

Achromatomaly
38, 29.547, 148.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 66.812, 140.224 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(0, 133, 33)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 33)  
}
```

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(0, 133, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 66.812, 140.224 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(0, 133, 33) }
```

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

```
.border{ border-color:rgb(0, 133, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 33);  
box-shadow:4px 4px 4px 4px rgb(0, 133, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 66.812, 140.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 33) }
```

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

```
.background{ background-color: rgb(0, 133,  
33) }
```

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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