

Converting Colors

CIELCh(48, 48.222, 138.284)

Have a look what the booklet for
CIElCh(48, 48.222, 138.284)
contains.

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Color

CIELCh(48, 48.029, 138.318)

Conversions

Conversions Part 1

Format	Color
Hex	3F8039
RGB	63, 128, 57
RGB Percent	25%, 50%, 22%
CMY	0.7529, 0.4980, 0.7764
CMYK	0.51, 0.00, 0.55, 0.50
HSL	115°, 38%, 36%
HSV	115°, 55%, 50%
XYZ	10.5104, 16.7945, 6.5602
YIQ	100.4710, -15.9490, -35.8610

Conversions

Conversions Part 2

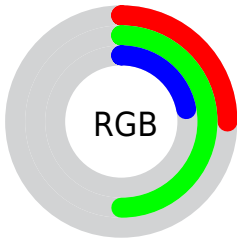
Format	Color
RYB	57, 128, 122
Decimal	4161593
CIELab	48.00, -35.87, 31.94
CIELCh	48, 48.029, 138.318
Yxy	16.7945, 0.3104, 0.4959
Android (android.graphics.Color)	4282351673 (0xFF3F8039)
YUV	100.4710, -21.4312, -32.8621
Hunter-Lab	40.9810, -25.9372, 19.1957

Details

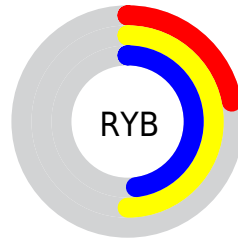
The CIELCh color **48, 48.029, 138.318** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **35, 48.148, 324.600**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 47.723, 138.229**, and **28, 47.924, 138.417** is the 20% darker color. If you saturate the color by 10%, you get **47, 55.395, 137.449**, and if you desaturate by 10%, it is **49, 39.943, 139.179**.

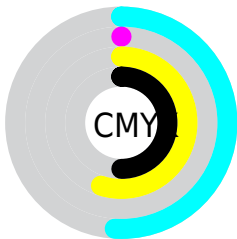
Distribution



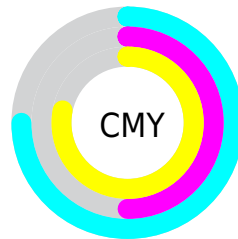
- Red (25%)
- Green (50%)
- Blue (22%)



- Red (22%)
- Yellow (50%)
- Blue (48%)



- Cyan (51%)
- Magenta (0%)
- Yellow (55%)
- Black (50%)



- Cyan (75%)
- Magenta (50%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 48.029, 138.318 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, 48.029, 138.318 by changing the saturation by 10% instead.

 48, 48.029,
138.318


 48, 48.029,
138.318


 100, 48.029,
138.318


 38, 48.029,
138.318

 68, 48.029,
138.318


 28, 48.029,
138.318

 78, 48.029,
138.318

 18, 48.029,
138.318

 88, 48.029,
138.318

 8, 48.029, 138.318

 98, 48.029,
138.318

 0, 48.029, 138.318

 48, 48.029,

 48, 48.029,

138.318

■ 47, 55.395,
137.449

■ 47, 61.724,
136.657

■ 47, 66.669,
136.056

■ 46, 70.028,
135.712

■ 46, 71.325,
135.472

138.318

■ 49, 39.943,
139.179

■ 50, 31.396,
139.983

■ 51, 22.592,
140.706

■ 52, 13.689,
141.345

■ 53, 4.806, 141.917

■ 54, 3.970, 322.310

■ 56, 12.581,
322.744

■ 57, 20.985,
323.094

■ 59, 29.158,
323.390

Harmonies

Complementary

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



48, 48.029, 138.318



35, 48.148, 324.600

Rectangle

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



48, 48.029, 138.318



48, 48.029, 188.318



48, 48.029, 318.318



48, 48.029, 8.318

Sweetspot

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



48, 48.030, 138.319



65, 18.603, 141.228



50, 36.108, 100.129



34, 12.547, 141.127



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 48.030, 138.319



60, 69.389, 137.192



48, 36.650, 153.162



26, 4.956, 141.713



46, 71.115, 135.470



0, 0.000, 0.000

Inverse Universe

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



35, 48.148, 324.600



42, 69.149, 324.960



35, 37.561, 343.637



25, 4.971, 322.558



28, 69.481, 325.044



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 48.029, 138.318 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, 48.029, 138.318 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, 48.029, 138.318

Background



This preview shows how black text looks on a background with the CIELCh color 48, 48.029, 138.318.



This preview shows how white text looks on a background with the CIELCh color 48, 48.029, 138.318.

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, 48.029, 138.318

Protanopia

48, 35.299, 95.252

Deuteranopia

48, 30.916, 77.933



Tritanopia
48, 15.521, 220.525

Trichromacy



Original Color
48, 48.029, 138.318

Protanomaly
47, 36.766, 116.096

Deuteranomaly
47, 31.513, 109.207

Tritanomaly
48, 22.546, 165.433

Monochromacy



Original Color
48, 48.029, 138.318

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 18.330, 140.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 48.029, 138.318 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(63, 128, 57)` looks like.

```
.text, #text, p{  
    color:rgb(63, 128, 57)  
}
```

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(63, 128, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 128, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 48.029, 138.318 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(63, 128, 57) }
```

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

```
.border{ border-color:rgb(63, 128, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 128, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 128, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 128, 57);  
box-shadow:4px 4px 4px 4px rgb(63, 128,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 48.029, 138.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 128, 57) }
```

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

```
.background{ background-color: rgb(63, 128,  
57) }
```

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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