

Converting Colors

CIELCh(48, 48.223, 139.051)

Have a look what the booklet for
CIELCh(48, 48.223, 139.051)
contains.

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Color

CIELCh(48, 47.969, 139.243)

Conversions

Conversions Part 1

Format	Color
Hex	3D803A
RGB	61, 128, 58
RGB Percent	24%, 50%, 23%
CMY	0.7600, 0.4973, 0.7718
CMYK	0.52, 0.00, 0.55, 0.50
HSL	117°, 38%, 37%
HSV	117°, 55%, 50%
XYZ	10.4493, 16.7945, 6.7176
YIQ	99.9870, -17.4620, -35.9740

Conversions

Conversions Part 2

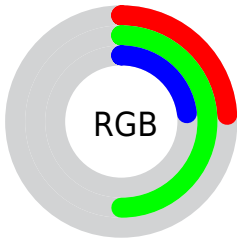
Format	Color
RYB	58, 128, 125
Decimal	4030522
CIELab	48.00, -36.34, 31.32
CIELCh	48, 47.969, 139.243
Yxy	16.7945, 0.3077, 0.4945
Android (android.graphics.Color)	4282220602 (0xFF3D803A)
YUV	99.9870, -20.6996, -34.1916
Hunter-Lab	40.9810, -26.2030, 18.9679

Details

The CIELCh color **48, 47.969, 139.243** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **36, 47.866, 325.836**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 47.674, 139.217**, and **28, 47.635, 138.671** is the 20% darker color. If you saturate the color by 10%, you get **47, 55.427, 138.268**, and if you desaturate by 10%, it is **49, 39.772, 140.186**.

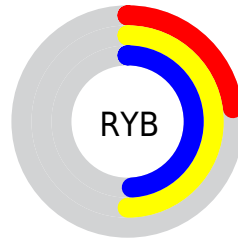
Distribution



Red (24%)

Green (50%)

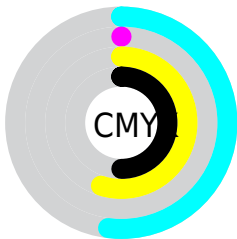
Blue (23%)



Red (23%)

Yellow (50%)

Blue (49%)

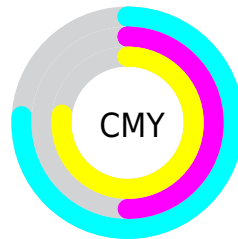


Cyan (52%)

Magenta (0%)

Yellow (55%)

Black (50%)



Cyan (76%)

Magenta (50%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 47.969, 139.243 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, 47.969, 139.243 by changing the saturation by 10% instead.

 48, 47.969,
139.243


 48, 47.969,
139.243


 100, 47.969,
139.243

 38, 47.969,
139.243

 68, 47.969,
139.243

 28, 47.969,
139.243

 78, 47.969,
139.243

 18, 47.969,
139.243

 88, 47.969,
139.243

 8, 47.969, 139.243

 98, 47.969,
139.243

 0, 47.969, 139.243

 48, 47.969,

 48, 47.969,

139.243

■ 47, 55.427,
138.268

■ 47, 61.825,
137.339

■ 47, 66.818,
136.575

■ 46, 70.164,
136.069

■ 46, 71.657,
135.739

139.243

■ 49, 39.772,
140.186

■ 50, 31.098,
141.050

■ 51, 22.160,
141.818

■ 52, 13.125,
142.490

■ 53, 4.117, 143.094

■ 54, 4.773, 323.503

■ 56, 13.481,
323.946

■ 58, 21.967,
324.307

■ 59, 30.207,
324.612

Harmonies

Complementary

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



48, 47.969, 139.243



36, 47.866, 325.836

Rectangle

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



48, 47.969, 139.243



48, 47.969, 189.243



48, 47.969, 319.243



48, 47.969, 9.243

Sweetspot

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



48, 47.970, 139.243



65, 17.739, 142.379



51, 37.193, 102.845



34, 12.077, 142.268



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, 47.970, 139.243



60, 69.236, 137.990



48, 34.691, 155.554



26, 5.022, 142.826



46, 71.375, 135.738



0, 0.000, 0.000

Inverse Universe

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



36, 47.866, 325.836



43, 68.626, 326.248



35, 36.046, 346.375



25, 5.034, 323.718



29, 69.275, 326.590



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 47.969, 139.243 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 CIELCh color 48, 47.969, 139.243 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, 47.969, 139.243

Background



This preview shows how black text looks on a background with the CIELCh color 48, 47.969, 139.243.



This preview shows how white text looks on a background with the CIELCh color 48, 47.969, 139.243.

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, 47.969, 139.243

Protanopia

48, 34.788, 95.188

Deuteranopia

48, 29.655, 77.932



Tritanopia
48, 15.941, 217.520

Trichromacy



Original Color
48, 47.969, 139.243

Protanomaly
47, 36.930, 117.471

Deuteranomaly
47, 30.476, 110.321

Tritanomaly
48, 23.341, 166.571

Monochromacy



Original Color
48, 47.969, 139.243

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 18.058, 142.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 47.969, 139.243 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(61, 128, 58)` looks like.

```
.text, #text, p{  
    color:rgb(61, 128, 58)  
}
```

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(61, 128, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 128, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 47.969, 139.243 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(61, 128, 58) }
```

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

```
.border{ border-color:rgb(61, 128, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 128, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 128, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 128, 58);  
box-shadow:4px 4px 4px 4px rgb(61, 128,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 47.969, 139.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 128, 58) }
```

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

```
.background{ background-color: rgb(61, 128,  
58) }
```

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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