

Converting Colors

CIELCh(49, 41.078, 140.160)

Have a look what the booklet for
CIELCh(49, 41.078, 140.160)
contains.

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Color

CIELCh(49, 41.038, 140.281)

Conversions

Conversions Part 1

Format	Color
Hex	488146
RGB	72, 129, 70
RGB Percent	28%, 51%, 27%
CMY	0.7167, 0.4932, 0.7246
CMYK	0.44, 0.00, 0.46, 0.49
HSL	118°, 30%, 39%
HSV	118°, 46%, 51%
XYZ	11.6833, 17.5941, 8.6102
YIQ	105.2310, -15.0330, -30.4330

Conversions

Conversions Part 2

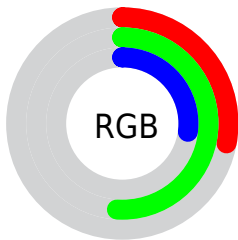
Format	Color
RYB	70, 129, 127
Decimal	4751686
CIELab	49.00, -31.57, 26.22
CIELCh	49, 41.038, 140.281
Yxy	17.5941, 0.3084, 0.4644
Android (android.graphics.Color)	4282941766 (0xFF488146)
YUV	105.2310, -17.3689, -29.1436
Hunter-Lab	41.9453, -23.6854, 17.1912

Details

The CIELCh color **49, 41.038, 140.281** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **39, 41.028, 325.750**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 40.912, 140.093**, and **29, 41.102, 140.159** is the 20% darker color. If you saturate the color by 10%, you get **48, 49.234, 139.312**, and if you desaturate by 10%, it is **50, 32.330, 141.171**.

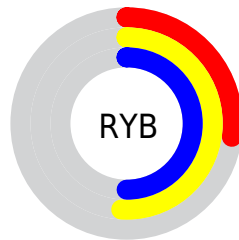
Distribution



Red (28%)

Green (51%)

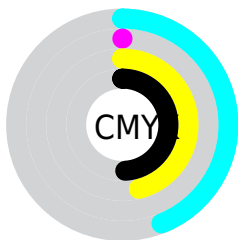
Blue (27%)



Red (27%)

Yellow (51%)

Blue (50%)

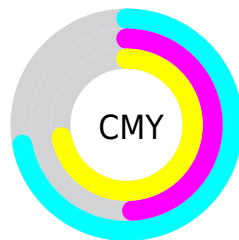


Cyan (44%)

Magenta (0%)

Yellow (46%)

Black (49%)



Cyan (72%)

Magenta (49%)

Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 41.038, 140.281 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 49, 41.038, 140.281 by changing the saturation by 10% instead.


 49, 41.038,
140.281


 49, 41.038,
140.281


 100, 41.038,
140.281


 39, 41.038,
140.281

 69, 41.038,
140.281


 29, 41.038,
140.281

 79, 41.038,
140.281

 19, 41.038,
140.281

 89, 41.038,
140.281

 9, 41.038, 140.281

 99, 41.038,
140.281

 0, 41.038, 140.281

 49, 41.038,

 49, 41.038,

140.281

140.281

■ 48, 49.234,
139.312

■ 50, 32.330,
141.171

■ 48, 56.639,
138.312

■ 51, 23.330,
141.963

■ 47, 62.928,
137.366

■ 52, 14.212,
142.655

■ 47, 67.754,
136.595

■ 53, 5.109, 143.269

■ 47, 70.936,
136.066

■ 55, 3.882, 323.691

■ 47, 72.136,
135.799

■ 56, 12.693,
324.154

■ 58, 21.281,
324.526

■ 60, 29.619,
324.840

■ 61, 37.696,
325.107

Harmonies

Complementary

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



49, 41.038, 140.281



39, 41.028, 325.750

Rectangle

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



49, 41.038, 140.281



49, 41.038, 190.281



49, 41.038, 320.281



49, 41.038, 10.281

Sweetspot

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



49, 41.039, 140.281



67, 15.748, 142.741



52, 31.691, 103.670



34, 10.830, 142.624



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 41.039, 140.281



62, 60.287, 139.252



49, 29.624, 156.717



26, 5.037, 143.064



46, 71.432, 135.796



0, 0.000, 0.000

Inverse Universe

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



39, 41.028, 325.750



47, 60.054, 326.173



38, 30.744, 345.245



25, 5.048, 323.966



29, 69.239, 326.930



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 41.038, 140.281 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 49, 41.038, 140.281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

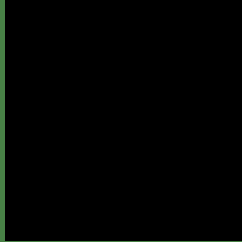
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 41.038, 140.281

Background



This preview shows how black text looks on a background with the CIELCh color 49, 41.038, 140.281.



This preview shows how white text looks on a background with the CIELCh color 49, 41.038, 140.281.

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

49, 41.038, 140.281

Protanopia

49, 29.759, 96.280

Deuteranopia

49, 24.944, 75.979



Tritanopia
49, 14.121, 222.949

Trichromacy



Original Color
49, 41.038, 140.281

Protanomaly
49, 31.417, 117.651

Deuteranomaly
48, 25.940, 109.672

Tritanomaly
49, 19.351, 170.207

Monochromacy



Original Color
49, 41.038, 140.281

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 15.751, 142.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 41.038, 140.281 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(72, 129, 70)` looks like.

```
.text, #text, p{  
    color:rgb(72, 129, 70)  
}
```

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(72, 129, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 129, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 41.038, 140.281 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(72, 129, 70) }
```

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

```
.border{ border-color:rgb(72, 129, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 129, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 129, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 129, 70);  
box-shadow:4px 4px 4px 4px rgb(72, 129,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 41.038, 140.281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 129, 70) }
```

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

```
.background{ background-color: rgb(72, 129,  
70) }
```

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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