

Converting Colors

CIELCh(49, 44.096, 141.810)

Have a look what the booklet for
CIELCh(49, 44.096, 141.810)
contains.

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Color

CIELCh(49, 43.975, 141.746)

Conversions

Conversions Part 1

Format	Color
Hex	418244
RGB	65, 130, 68
RGB Percent	25%, 51%, 27%
CMY	0.7440, 0.4891, 0.7323
CMYK	0.50, 0.00, 0.48, 0.49
HSL	123°, 33%, 38%
HSV	123°, 50%, 51%
XYZ	11.2700, 17.5941, 8.3119
YIQ	103.4970, -18.8380, -33.0620

Conversions

Conversions Part 2

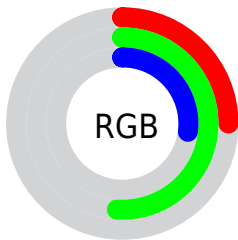
Format	Color
RYB	65, 127, 130
Decimal	4293188
CIELab	49.00, -34.53, 27.23
CIElCh	49, 43.975, 141.746
Yxy	17.5941, 0.3032, 0.4733
Android (android.graphics.Color)	4282483268 (0xFF418244)
YUV	103.4970, -17.5000, -33.7619
Hunter-Lab	41.9453, -25.4440, 17.6127

Details

The CIELCh color $49, 43.975, 141.746$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $38, 43.746, 328.312$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 44.465, 141.789$, and $29, 44.127, 141.753$ is the 20% darker color. If you saturate the color by 10%, you get $48, 51.784, 140.621$, and if you desaturate by 10%, it is $50, 35.569, 142.769$.

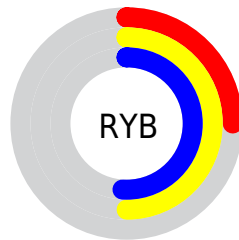
Distribution



Red (25%)

Green (51%)

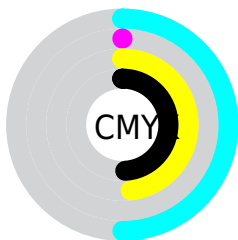
Blue (27%)



Red (25%)

Yellow (50%)

Blue (51%)

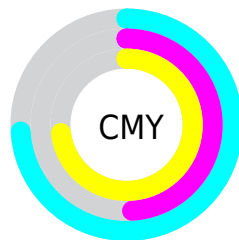


Cyan (50%)

Magenta (0%)

Yellow (48%)

Black (49%)



Cyan (74%)

Magenta (49%)

Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 43.975, 141.746 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, 43.975, 141.746 by changing the saturation by 10% instead.


 49, 43.975,
141.746


 49, 43.975,
141.746

 100, 43.975,
141.746

 39, 43.975,
141.746

 69, 43.975,
141.746


 29, 43.975,
141.746

 79, 43.975,
141.746

 19, 43.975,
141.746

 89, 43.975,
141.746

 9, 43.975, 141.746

 99, 43.975,
141.746

 0, 43.975, 141.746

 49, 43.975,

 49, 43.975,

141.746

■ 48, 51.784,
140.621

■ 48, 58.728,
139.436

■ 47, 64.516,
138.274

■ 47, 68.860,
137.252

■ 47, 71.761,
136.582

■ 47, 71.790,
136.576

141.746

■ 50, 35.569,
142.769

■ 51, 26.789,
143.673

■ 52, 17.825,
144.458

■ 53, 8.823, 145.142

■ 54, 0.103, 323.793

■ 56, 8.874, 326.163

■ 58, 17.435,
326.593

■ 59, 25.752,
326.956

■ 61, 33.807,

Harmonies

Complementary

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



49, 43.975, 141.746



38, 43.746, 328.312

Rectangle

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



49, 43.975, 141.746



49, 43.975, 191.746



49, 43.975, 321.746



49, 43.975, 11.746

Sweetspot

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



49, 43.976, 141.746



67, 16.546, 144.781



53, 36.222, 107.177



34, 11.244, 144.659



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, 43.976, 141.746



61, 63.728, 140.450



50, 30.158, 160.414



27, 5.102, 145.190



47, 71.695, 136.577



1, 1.217, 145.690

Inverse Universe

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



38, 43.746, 328.312



46, 62.929, 328.833



37, 32.173, 350.806



26, 5.111, 326.156



30, 67.725, 330.081



0, 1.217, 325.685

Previews

White Background



This preview shows how the CIELCh color 49, 43.975, 141.746 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 49, 43.975, 141.746 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, 43.975, 141.746

Background



This preview shows how black text looks on a background with the CIELCh color 49, 43.975, 141.746.



This preview shows how white text looks on a background with the CIELCh color 49, 43.975, 141.746.

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, 43.975, 141.746

Protanopia

49, 30.832, 96.446

Deuteranopia

49, 26.216, 76.172



Tritanopia
49, 16.056, 219.605

Trichromacy



Original Color
49, 43.975, 141.746

Protanomaly
48, 32.669, 118.677

Deuteranomaly
48, 27.111, 111.310

Tritanomaly
49, 21.993, 170.025

Monochromacy



Original Color
49, 43.975, 141.746

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 16.959, 144.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 43.975, 141.746 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(65, 130, 68)` looks like.

```
.text, #text, p{  
    color:rgb(65, 130, 68)  
}
```

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(65, 130, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 130, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 43.975, 141.746 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(65, 130, 68) }
```

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

```
.border{ border-color:rgb(65, 130, 68) }
```

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

Here you see how a box with a 4 pixel rgb(65, 130, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 130, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 130, 68);  
box-shadow:4px 4px 4px 4px rgb(65, 130,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 43.975, 141.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 130, 68) }
```

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

```
.background{ background-color: rgb(65, 130,  
68) }
```

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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