

Converting Colors

CIELCh(49, 36.460, 141.590)

Have a look what the booklet for
CIELCh(49, 36.460, 141.590)
contains.

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Color

CIELCh(49, 36.108, 141.575)

Conversions

Conversions Part 1

Format	Color
Hex	4D804D
RGB	77, 128, 77
RGB Percent	30%, 50%, 30%
CMY	0.6975, 0.4975, 0.6976
CMYK	0.40, 0.00, 0.40, 0.50
HSL	120°, 25%, 40%
HSV	120°, 40%, 50%
XYZ	12.1516, 17.5941, 9.7995
YIQ	106.9370, -14.0250, -26.6730

Conversions

Conversions Part 2

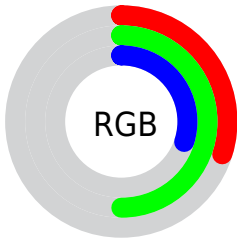
Format	Color
R_{YB}	77, 128, 128
Decimal	5079117
CIE _{Lab}	49.00, -28.29, 22.44
CIE _{LCh}	49, 36.108, 141.575
Yxy	17.5941, 0.3073, 0.4449
Android (android.graphics.Color)	4283269197 (0xFF4D804D)
YUV	106.9370, -14.7589, -26.2547
Hunter-Lab	41.9453, -21.6926, 15.5100

Details

The CIELCh color $49, 36.108, 141.575$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $40, 36.051, 326.484$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 35.857, 141.952$, and $29, 36.138, 141.293$ is the 20% darker color. If you saturate the color by 10%, you get $48, 44.630, 140.583$, and if you desaturate by 10%, it is $50, 27.187, 142.461$.

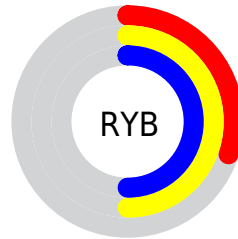
Distribution



Red (30%)

Green (50%)

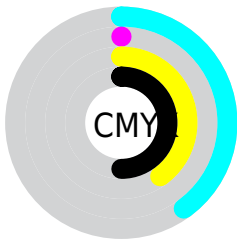
Blue (30%)



Red (30%)

Yellow (50%)

Blue (50%)

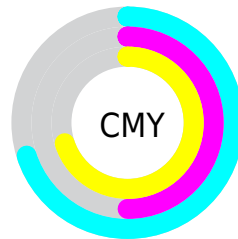


Cyan (40%)

Magenta (0%)

Yellow (40%)

Black (50%)



Cyan (70%)


Magenta (50%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 36.108, 141.575 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, 36.108, 141.575 by changing the saturation by 10% instead.


 49, 36.108,
141.575


 49, 36.108,
141.575


 100, 36.108,
141.575


 39, 36.108,
141.575

 69, 36.108,
141.575


 29, 36.108,
141.575

 79, 36.108,
141.575

 19, 36.108,
141.575

 89, 36.108,
141.575

 9, 36.108, 141.575

 99, 36.108,
141.575

 0, 36.108, 141.575

 49, 36.108,

 49, 36.108,

141.575

141.575

■ 48, 44.630,
140.583

■ 50, 27.187,
142.461

■ 48, 52.499,
139.510

■ 51, 18.068,
143.233

■ 47, 59.415,
138.419

■ 52, 8.907, 143.905

■ 47, 65.040,
137.411

■ 54, 0.177, 323.397

■ 55, 9.101, 324.908

■ 46, 69.051,
136.620

■ 57, 17.809,
325.325

■ 46, 71.852,
136.027

■ 58, 26.268,
325.676

■ 46, 71.906,
136.015

■ 60, 34.458,
325.973

■ 62, 42.375,

Harmonies

Complementary

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



49, 36.108, 141.575



40, 36.051, 326.484

Rectangle

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



49, 36.108, 141.575



49, 36.108, 191.575



49, 36.108, 321.575



49, 36.108, 11.575

Sweetspot

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



49, 36.109, 141.575



66, 13.467, 143.748



52, 28.441, 105.769



34, 9.007, 143.680



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, 36.109, 141.575



62, 53.140, 140.657



50, 25.136, 159.059



26, 5.094, 143.950



46, 71.649, 136.015



0, 0.000, 0.000

Inverse Universe

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



40, 36.051, 326.484



49, 52.914, 326.910



39, 26.205, 346.446



25, 5.102, 324.894



30, 69.130, 328.228



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 36.108, 141.575 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, 36.108, 141.575 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, 36.108, 141.575

Background



This preview shows how black text looks on a background with the CIELCh color 49, 36.108, 141.575.



This preview shows how white text looks on a background with the CIELCh color 49, 36.108, 141.575.

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, 36.108, 141.575

Protanopia
49, 25.851, 96.485

Deuteranopia
49, 21.669, 73.083



Tritanopia
49, 13.089, 222.239

Trichromacy



Original Color
49, 36.108, 141.575

Protanomaly
48, 26.976, 118.069

Deuteranomaly
48, 21.446, 108.461

Tritanomaly
49, 17.228, 171.185

Monochromacy



Original Color
49, 36.108, 141.575

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 13.774, 143.480

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 36.108, 141.575 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(77, 128, 77)` looks like.

```
.text, #text, p{  
    color:rgb(77, 128, 77)  
}
```

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(77, 128, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 128, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 36.108, 141.575 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(77, 128, 77) }
```

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

```
.border{ border-color:rgb(77, 128, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 128, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 128, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 128, 77);  
box-shadow:4px 4px 4px 4px rgb(77, 128,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 36.108, 141.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 128, 77) }
```

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

```
.background{ background-color: rgb(77, 128,  
77) }
```

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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