

Converting Colors

CIELCh(49, 36.963, 139.493)

Have a look what the booklet for
CIELCh(49, 36.963, 139.493)
contains.

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Color

CIELCh(49, 37.087, 139.258)

Conversions

Conversions Part 1

Format	Color
Hex	4F804A
RGB	79, 128, 74
RGB Percent	31%, 50%, 29%
CMY	0.6902, 0.4980, 0.7098
CMYK	0.38, 0.00, 0.42, 0.50
HSL	114°, 27%, 40%
HSV	114°, 42%, 50%
XYZ	12.1789, 17.5941, 9.2321
YIQ	107.1930, -11.8700, -27.1820

Conversions

Conversions Part 2

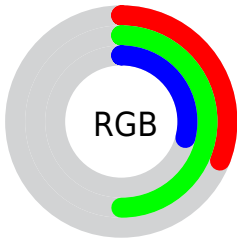
Format	Color
R_{YB}	74, 128, 123
Decimal	5210186
CIE _{Lab}	49.00, -28.10, 24.20
CIE _{LCh}	49, 37.087, 139.258
Yxy	17.5941, 0.3122, 0.4511
Android (android.graphics.Color)	4283400266 (0xFF4F804A)
YUV	107.1930, -16.3641, -24.7253
Hunter-Lab	41.9453, -21.5763, 16.3120

Details

The CIELCh color $49, 37.087, 139.258$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $39, 37.299, 323.854$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 37.253, 139.249$, and $29, 37.136, 139.111$ is the 20% darker color. If you saturate the color by 10%, you get $48, 45.337, 138.428$, and if you desaturate by 10%, it is $50, 28.456, 140.025$.

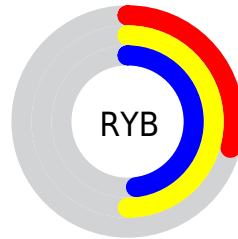
Distribution



Red (31%)

Green (50%)

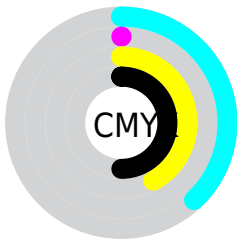
Blue (29%)



Red (29%)

Yellow (50%)

Blue (48%)

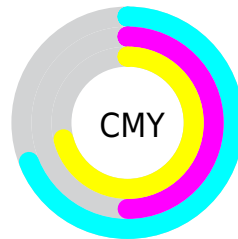


Cyan (38%)

Magenta (0%)

Yellow (42%)

Black (50%)



Cyan (69%)

Magenta (50%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 37.087, 139.258 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, 37.087, 139.258 by changing the saturation by 10% instead.


 49, 37.087,
139.258


 49, 37.087,
139.258

 100, 37.087,
139.258


 39, 37.087,
139.258

 69, 37.087,
139.258


 29, 37.087,
139.258

 79, 37.087,
139.258

 19, 37.087,
139.258

 89, 37.087,
139.258

 9, 37.087, 139.258

 99, 37.087,
139.258

 0, 37.087, 139.258

 49, 37.087,

 49, 37.087,

139.258

139.258

■ 48, 45.337,
138.428

■ 50, 28.456,
140.025

■ 48, 52.964,
137.572

■ 51, 19.628,
140.712

■ 47, 59.673,
136.766

■ 52, 10.744,
141.317

■ 47, 65.120,
136.115

■ 53, 1.912, 141.908

■ 46, 68.984,
135.739

■ 55, 6.794, 322.239

■ 46, 71.264,
135.416

■ 56, 15.320,
322.632

■ 58, 23.632,
322.961

■ 59, 31.712,
323.239

■ 61, 39.551,
323.476

Harmonies

Complementary

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



49, 37.087, 139.258



39, 37.299, 323.854

Rectangle

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



49, 37.087, 139.258



49, 37.087, 189.258



49, 37.087, 319.258



49, 37.087, 9.258

Sweetspot

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



49, 37.088, 139.259



66, 14.164, 141.254



51, 27.855, 101.481



34, 9.998, 141.142



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, 37.088, 139.259



62, 54.730, 138.429



49, 28.406, 154.840



26, 4.943, 141.491



46, 71.061, 135.414



0, 0.000, 0.000

Inverse Universe

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



39, 37.299, 323.854



47, 54.969, 324.238



39, 29.141, 342.156



25, 4.959, 322.328



27, 69.529, 324.745



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 37.087, 139.258 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, 37.087, 139.258 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, 37.087, 139.258

Background



This preview shows how black text looks on a background with the CIELCh color 49, 37.087, 139.258.



This preview shows how white text looks on a background with the CIELCh color 49, 37.087, 139.258.

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, 37.087, 139.258

Protanopia
49, 27.589, 95.870

Deuteranopia
49, 23.436, 74.191



Tritanopia
49, 12.420, 226.806

Trichromacy



Original Color
49, 37.087, 139.258

Protanomaly
49, 28.431, 115.516

Deuteranomaly
48, 23.135, 107.037

Tritanomaly
49, 16.941, 168.519

Monochromacy



Original Color
49, 37.087, 139.258

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 14.038, 140.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 37.087, 139.258 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(79, 128, 74)` looks like.

```
.text, #text, p{  
    color:rgb(79, 128, 74)  
}
```

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(79, 128, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 128, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 37.087, 139.258 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(79, 128, 74) }
```

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

```
.border{ border-color:rgb(79, 128, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 128, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 128, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 128, 74);  
box-shadow:4px 4px 4px 4px rgb(79, 128,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 37.087, 139.258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 128, 74) }
```

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

```
.background{ background-color: rgb(79, 128,  
74) }
```

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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