

Converting Colors

CIELCh(49, 37.499, 156.224)

Have a look what the booklet for
CIELCh(49, 37.499, 156.224)
contains.

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Color

CIELCh(49, 37.499, 156.224)

Conversions

Conversions Part 1

Format	Color
Hex	34835A
RGB	52, 131, 90
RGB Percent	20%, 51%, 35%
CMY	0.7975, 0.4876, 0.6483
CMYK	0.60, 0.00, 0.31, 0.49
HSL	149°, 43%, 36%
HSV	149°, 60%, 51%
XYZ	11.2998, 17.5941, 12.4029
YIQ	102.7050, -33.9230, -29.4990

Conversions

Conversions Part 2

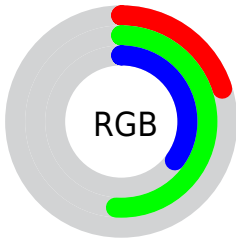
Format	Color
RYB	52, 105, 131
Decimal	3441498
CIELab	49.00, -34.32, 15.12
CIELCh	49, 37.499, 156.224
Yxy	17.5941, 0.2736, 0.4260
Android (android.graphics.Color)	4281631578 (0xFF34835A)
YUV	102.7050, -6.2636, -44.4683
Hunter-Lab	41.9453, -25.3174, 11.8301




Details

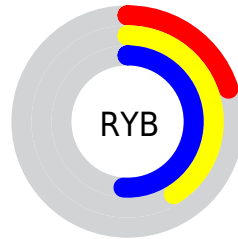
The CIELCh color **49, 37.499, 156.224** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **34, 39.329, 349.181**, and the grayscale version is **43, 0.006, 296.813**.




A 20% lighter version of the original color is **69, 37.815, 155.998**, and **30, 35.463, 153.610** is the 20% darker color. If you saturate the color by 10%, you get **48, 42.580, 154.632**, and if you desaturate by 10%, it is **50, 31.938, 157.633**.

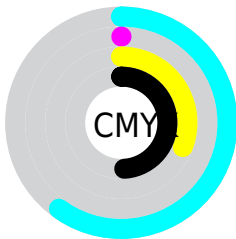
Distribution







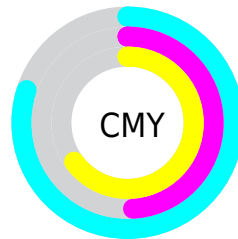
-  Red (20%)
-  Green (51%)
-  Blue (35%)






-  Red (20%)
-  Yellow (41%)
-  Blue (51%)



-  Cyan (60%)
-  Magenta (0%)
-  Yellow (31%)
-  Black (49%)



-  Cyan (80%)
-  Magenta (49%)
-  Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 37.499, 156.224 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, 37.499, 156.224 by changing the saturation by 10% instead.

 49, 37.499,
156.224

 49, 37.499,
156.224

 100, 37.499,
156.224

 39, 37.499,
156.224

 69, 37.499,
156.224

 29, 37.499,
156.224

 79, 37.499,
156.224

 19, 37.499,
156.224

 89, 37.499,
156.224

 9, 37.499, 156.224

 99, 37.499,
156.224

 0, 37.499, 156.224

 49, 37.499,

 49, 37.499,

156.224

156.224

■ 48, 42.580,
154.632

■ 50, 31.938,
157.633

■ 48, 47.108,
152.844

■ 50, 25.988,
158.879

■ 48, 51.051,
150.863

■ 51, 19.755,
159.986

■ 48, 54.428,
148.955

■ 52, 13.338,
160.975

■ 53, 6.831, 161.877

■ 55, 0.309, 163.575

■ 56, 6.165, 343.307

■ 57, 12.543,
343.995

■ 59, 18.792,

Harmonies

Complementary

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



49, 37.499, 156.224



34, 39.329, 349.181

Rectangle

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



49, 37.499, 156.224



49, 37.499, 206.224



49, 37.499, 336.224



49, 37.499, 26.224

Sweetspot

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



49, 37.500, 156.224



67, 14.601, 161.167



50, 46.358, 125.279



35, 10.219, 160.930



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 37.500, 156.224



62, 54.215, 153.902



50, 25.161, 193.323



27, 3.719, 161.995



47, 54.231, 148.967



1, 0.891, 162.674

Inverse Universe

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



34, 39.329, 349.181



41, 56.030, 351.852



33, 37.756, 24.712



26, 3.760, 343.340



27, 51.774, 358.958



0, 0.891, 342.664

Previews

White Background



This preview shows how the CIELCh color 49, 37.499, 156.224 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, 37.499, 156.224 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, 37.499, 156.224

Background



This preview shows how black text looks on a background with the CIELCh color 49, 37.499, 156.224.



This preview shows how white text looks on a background with the CIELCh color 49, 37.499, 156.224.

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, 37.499, 156.224

Protanopia

49, 19.622, 95.710

Deuteranopia

49, 14.333, 63.765



Tritanopia
49, 19.881, 214.909

Trichromacy



Original Color
49, 37.499, 156.224

Protanomaly
48, 23.136, 132.466

Deuteranomaly
48, 16.344, 129.465

Tritanomaly
49, 23.205, 185.207

Monochromacy



Original Color
49, 37.499, 156.224

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 14.123, 161.537

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 37.499, 156.224 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(52, 131, 90)` looks like.

```
.text, #text, p{  
    color:rgb(52, 131, 90)  
}
```

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(52, 131, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 131, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 37.499, 156.224 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(52, 131, 90) }
```

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

```
.border{ border-color:rgb(52, 131, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 131, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 131, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 131, 90);  
box-shadow:4px 4px 4px 4px rgb(52, 131,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 37.499, 156.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 131, 90) }
```

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

```
.background{ background-color: rgb(52, 131,  
90) }
```

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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