

Converting Colors

CIELCh(49, 34.068, 105.931)

Have a look what the booklet for
CIELCh(49, 34.068, 105.931)
contains.

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Color

CIELCh(49, 34.461, 106.342)

Conversions

Conversions Part 1

Format	Color
Hex	77783B
RGB	119, 120, 59
RGB Percent	47%, 47%, 23%
CMY	0.5343, 0.5303, 0.7695
CMYK	0.01, 0.00, 0.51, 0.53
HSL	61°, 34%, 35%
HSV	61°, 51%, 47%
XYZ	15.0458, 17.5941, 6.7105
YIQ	112.7470, 18.9850, -19.1830

Conversions

Conversions Part 2

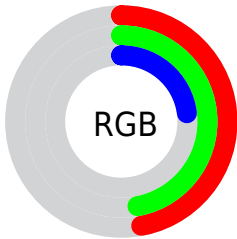
Format	Color
RYB	59, 120, 60
Decimal	7829563
CIELab	49.00, -9.70, 33.07
CIELCh	49, 34.461, 106.342
Yxy	17.5941, 0.3824, 0.4471
Android (android.graphics.Color)	4286019643 (0xFF77783B)
YUV	112.7470, -26.4973, 5.4839
Hunter-Lab	41.9453, -9.3762, 19.8763

Details

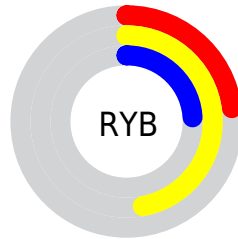
The CIELCh color $49, 34.461, 106.342$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $28, 39.383, 297.617$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 34.385, 105.941$, and $29, 34.397, 106.275$ is the 20% darker color. If you saturate the color by 10%, you get $49, 40.436, 105.579$, and if you desaturate by 10%, it is $49, 28.057, 107.180$.

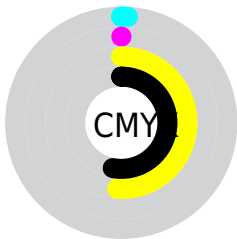
Distribution



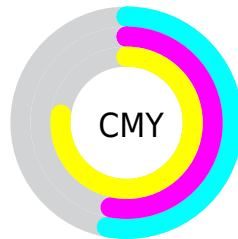
- Red (47%)
- Green (47%)
- Blue (23%)



- Red (23%)
- Yellow (47%)
- Blue (24%)



- Cyan (1%)
- Magenta (0%)
- Yellow (51%)
- Black (53%)





- Cyan (53%)
- Magenta (53%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 34.461, 106.342 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, 34.461, 106.342 by changing the saturation by 10% instead.


 49, 34.461,
106.342

 49, 34.461,
106.342


 100, 34.461,
106.342

 39, 34.461,
106.342

 69, 34.461,
106.342

 29, 34.461,
106.342

 79, 34.461,
106.342

 19, 34.461,
106.342

 89, 34.461,
106.342

 9, 34.461, 106.342

 99, 34.461,
106.342

 0, 34.461, 106.342

 49, 34.461,

 49, 34.461,

106.342

■ 49, 40.436,
105.579

■ 49, 45.751,
104.917

■ 49, 50.120,
104.398

■ 49, 53.247,
104.059

■ 49, 55.436,
103.842

106.342

■ 49, 28.057,
107.180

■ 49, 21.382,
108.057

■ 50, 14.544,
108.954

■ 50, 7.613, 109.853

■ 50, 0.637, 110.688

■ 51, 6.353, 291.629

■ 51, 13.337,
292.471

■ 52, 20.298,
293.284

■ 52, 27.226,

Harmonies

Complementary

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



49, 34.461, 106.342



28, 39.383, 297.617

Rectangle

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



49, 34.461, 106.342



49, 34.461, 156.342



49, 34.461, 286.342



49, 34.461, 336.342

Sweetspot

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



49, 34.462, 106.345



64, 12.940, 109.454



33, 29.273, 24.852



33, 8.893, 109.300



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 34.462, 106.345



62, 49.958, 105.466



47, 37.247, 126.816



25, 3.858, 110.023



50, 56.307, 103.845



95, 95.465, 103.899

Inverse Universe

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



28, 39.383, 297.617



31, 59.650, 299.871



31, 40.017, 311.534



22, 3.937, 291.691



12, 77.628, 306.367



32, 131.710, 306.321

Previews

White Background



This preview shows how the CIELCh color 49, 34.461, 106.342 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, 34.461, 106.342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

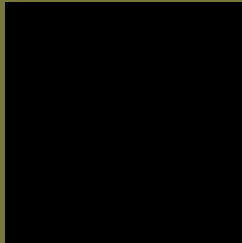
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 34.461, 106.342

Background



This preview shows how black text looks on a background with the CIELCh color 49, 34.461, 106.342.



This preview shows how white text looks on a background with the CIELCh color 49, 34.461, 106.342.

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, 34.461, 106.342

Protanopia

49, 34.047, 96.086

Deuteranopia

49, 33.016, 78.749



Tritanopia
49, 7.183, 332.905

Trichromacy



Original Color
49, 34.461, 106.342

Protanomaly
49, 34.184, 100.082

Deuteranomaly
49, 32.525, 89.027

Tritanomaly
49, 9.974, 88.756

Monochromacy



Original Color
49, 34.461, 106.342

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 12.869, 108.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 34.461, 106.342 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(119, 120, 59)` looks like.

```
.text, #text, p{  
    color:rgb(119, 120, 59)  
}
```

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(119, 120, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 120, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 34.461, 106.342 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(119, 120, 59) }
```

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

```
.border{ border-color:rgb(119, 120, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 120, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 120, 59); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 120, 59); box-shadow:4px 4px 4px 4px rgb(119, 120, 59) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 34.461, 106.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 120, 59) }
```

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

```
.background{ background-color: rgb(119,  
120, 59) }
```

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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