

Converting Colors

CIELCh(49, 26.294, 130.039)

Have a look what the booklet for
CIELCh(49, 26.294, 130.039)
contains.

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Color

CIELCh(49, 26.335, 130.038)

Conversions

Conversions Part 1

Format	Color
Hex	647C52
RGB	100, 124, 82
RGB Percent	39%, 49%, 32%
CMY	0.6095, 0.5154, 0.6800
CMYK	0.19, 0.00, 0.34, 0.52
HSL	94°, 20%, 40%
HSV	94°, 34%, 48%
XYZ	13.8689, 17.5941, 10.5659
YIQ	112.0360, -0.8220, -18.1500

Conversions

Conversions Part 2

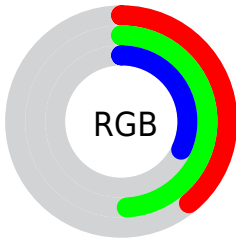
Format	Color
R_{YB}	82, 124, 106
Decimal	6585426
CIE _{Lab}	49.00, -16.94, 20.16
CIE _{LCh}	49, 26.335, 130.038
Yxy	17.5941, 0.3300, 0.4186
Android (android.graphics.Color)	4284775506 (0xFF647C52)
YUV	112.0360, -14.8077, -10.5556
Hunter-Lab	41.9453, -14.3847, 14.4267

Details

The CIELCh color $49, 26.335, 130.038$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $39, 27.356, 313.004$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 26.538, 130.613$, and $29, 26.558, 129.962$ is the 20% darker color. If you saturate the color by 10%, you get $48, 33.888, 129.575$, and if you desaturate by 10%, it is $50, 18.625, 130.508$.

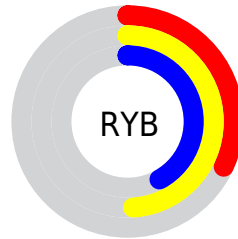
Distribution



Red (39%)

Green (49%)

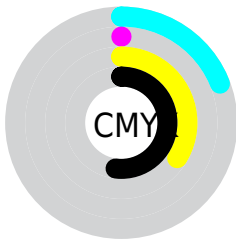
Blue (32%)



Red (32%)

Yellow (49%)

Blue (42%)

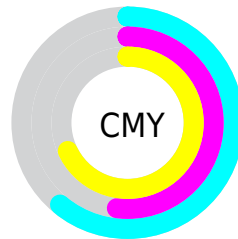


Cyan (19%)

Magenta (0%)

Yellow (34%)

Black (52%)



Cyan (61%)

Magenta (52%)

Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 26.335, 130.038 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, 26.335, 130.038 by changing the saturation by 10% instead.


 49, 26.335,
130.038


 49, 26.335,
130.038


 100, 26.335,
130.038


 39, 26.335,
130.038

 69, 26.335,
130.038


 29, 26.335,
130.038

 79, 26.335,
130.038

 19, 26.335,
130.038

 89, 26.335,
130.038

 9, 26.335, 130.038

 99, 26.335,
130.038

 0, 26.335, 130.038

 49, 26.335,

 49, 26.335,

130.038

130.038

■ 48, 33.888,
129.575

■ 50, 18.625,
130.508

■ 48, 41.151,
129.151

■ 51, 10.847,
130.961

■ 47, 47.939,
128.825

■ 51, 3.070, 131.405

■ 47, 54.006,
128.682

■ 52, 4.659, 311.736

■ 46, 59.049,
128.833

■ 53, 12.307,
312.097

■ 46, 62.817,
129.368

■ 54, 19.847,
312.413

■ 46, 64.859,
129.668

■ 56, 27.265,
312.692

■ 57, 34.548,
312.939

■ 58, 41.691,
313.157

Harmonies

Complementary

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



49, 26.335, 130.038



39, 27.356, 313.004

Rectangle

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



49, 26.335, 130.038



49, 26.335, 180.038



49, 26.335, 310.038



49, 26.335, 0.038

Sweetspot

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



49, 26.336, 130.039



65, 9.615, 131.125



46, 16.409, 78.028



34, 6.613, 131.074



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 26.336, 130.039



62, 39.227, 129.665



48, 28.698, 143.914



25, 4.333, 131.177



46, 65.393, 129.686



88, 111.060, 130.514

Inverse Universe

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



39, 27.356, 313.004



47, 41.143, 313.373



41, 28.697, 328.124



24, 4.381, 311.882



19, 72.229, 314.018



43, 122.163, 313.434

Previews

White Background



This preview shows how the CIELCh color 49, 26.335, 130.038 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, 26.335, 130.038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

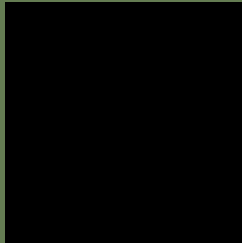
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 26.335, 130.038

Background



This preview shows how black text looks on a background with the CIELCh color 49, 26.335, 130.038.



This preview shows how white text looks on a background with the CIELCh color 49, 26.335, 130.038.

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](#).

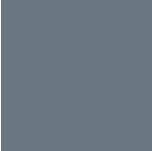
Dichromacy



Original Color
49, 26.335, 130.038

Protanopia
49, 22.522, 95.563

Deuteranopia
49, 20.203, 70.699



Tritanopia
49, 6.895, 249.354

Trichromacy



Original Color
49, 26.335, 130.038

Protanomaly
49, 23.119, 110.400

Deuteranomaly
49, 19.530, 97.004

Tritanomaly
49, 8.773, 156.540

Monochromacy



Original Color
49, 26.335, 130.038

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 9.601, 131.969

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 26.335, 130.038 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(100, 124, 82)` looks like.

```
.text, #text, p{  
    color:rgb(100, 124, 82)  
}
```

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(100, 124, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 124, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 26.335, 130.038 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(100, 124, 82) }
```

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

```
.border{ border-color:rgb(100, 124, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 124, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 124, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 124, 82);  
box-shadow:4px 4px 4px 4px rgb(100, 124,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 26.335, 130.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 124, 82) }
```

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

```
.background{ background-color: rgb(100,  
124, 82) }
```

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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