

Converting Colors

CIELCh(49, 31.707, 144.652)

Have a look what the booklet for
CIELCh(49, 31.707, 144.652)
contains.

CIELCh(49, 31.747, 144.627)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 31.747, 144.627)

Conversions

Conversions Part 1

Format	Color
Hex	4F7F54
RGB	79, 127, 84
RGB Percent	31%, 50%, 33%
CMY	0.6888, 0.5005, 0.6693
CMYK	0.38, 0.00, 0.34, 0.50
HSL	126°, 23%, 41%
HSV	126°, 38%, 50%
XYZ	12.5025, 17.5941, 11.1933
YIQ	107.7460, -14.8050, -23.5490

Conversions

Conversions Part 2

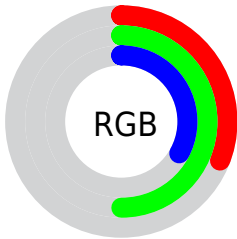
Format	Color
RYB	79, 122, 127
Decimal	5209940
CIELab	49.00, -25.89, 18.38
CIElCh	49, 31.747, 144.627
Yxy	17.5941, 0.3028, 0.4261
Android (android.graphics.Color)	4283400020 (0xFF4F7F54)
YUV	107.7460, -11.7068, -25.2102
Hunter-Lab	41.9453, -20.1995, 13.5398

Details

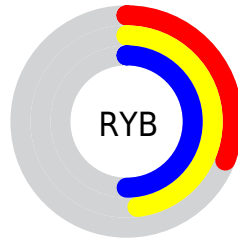
The CIELCh color $49, 31.747, 144.627$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $41, 31.745, 329.508$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 31.667, 144.747$, and $29, 31.620, 144.453$ is the 20% darker color. If you saturate the color by 10%, you get $48, 39.799, 143.605$, and if you desaturate by 10%, it is $50, 23.410, 145.521$.

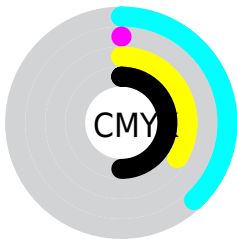
Distribution



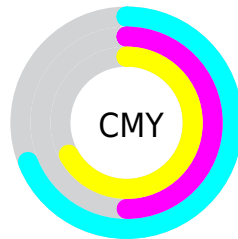
- Red (31%)
- Green (50%)
- Blue (33%)



- Red (31%)
- Yellow (48%)
- Blue (50%)



- Cyan (38%)
- Magenta (0%)
- Yellow (34%)
- Black (50%)





- Cyan (69%)
- Magenta (50%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 31.747, 144.627 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, 31.747, 144.627 by changing the saturation by 10% instead.


 49, 31.747,
144.627


 49, 31.747,
144.627


 100, 31.747,
144.627


 39, 31.747,
144.627

 69, 31.747,
144.627


 29, 31.747,
144.627

 79, 31.747,
144.627

 19, 31.747,
144.627

 89, 31.747,
144.627

 9, 31.747, 144.627

 99, 31.747,
144.627

 0, 31.747, 144.627

 49, 31.747,

 49, 31.747,

144.627

144.627

■ 48, 39.799,
143.605

■ 50, 23.410,
145.521

■ 47, 47.377,
142.454

■ 51, 14.940,
146.296

■ 47, 54.273,
141.195

■ 52, 6.464, 146.976

■ 47, 60.258,
139.876

■ 54, 1.924, 327.409

■ 46, 65.102,
138.580

■ 55, 10.155,
327.984

■ 46, 68.676,
137.495

■ 57, 18.184,
328.416

■ 46, 69.348,
137.331

■ 58, 25.982,
328.785

■ 60, 33.534,
329.106

■ 62, 40.836,
329.386

Harmonies

Complementary

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



49, 31.747, 144.627



41, 31.745, 329.508

Rectangle

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



49, 31.747, 144.627



49, 31.747, 194.627



49, 31.747, 324.627



49, 31.747, 14.627

Sweetspot

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



49, 31.748, 144.627



66, 11.483, 146.742



52, 27.355, 111.164



35, 7.781, 146.668



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, 31.748, 144.627



62, 46.663, 143.781



50, 21.611, 165.764



26, 4.741, 146.885



46, 69.404, 137.330



0, 0.000, 0.000

Inverse Universe

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



41, 31.745, 329.508



50, 46.528, 329.977



40, 23.211, 353.346



25, 4.751, 327.869



29, 63.879, 332.696



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 31.747, 144.627 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, 31.747, 144.627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

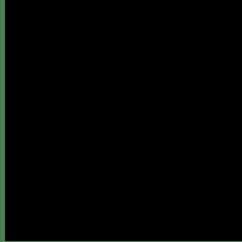
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 31.747, 144.627

Background



This preview shows how black text looks on a background with the CIELCh color 49, 31.747, 144.627.



This preview shows how white text looks on a background with the CIELCh color 49, 31.747, 144.627.

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, 31.747, 144.627

Protanopia
49, 21.868, 96.533

Deuteranopia
49, 17.697, 69.004



Tritanopia
49, 12.796, 222.848

Trichromacy



Original Color
49, 31.747, 144.627

Protanomaly
49, 23.149, 120.311

Deuteranomaly
48, 17.474, 110.692

Tritanomaly
49, 16.033, 176.125

Monochromacy



Original Color
49, 31.747, 144.627

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 11.828, 145.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 31.747, 144.627 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, 127, 84)` looks like.

```
.text, #text, p{  
    color:rgb(79, 127, 84)  
}
```

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, 127, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 127, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 31.747, 144.627 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, 127, 84) }
```

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

```
.border{ border-color:rgb(79, 127, 84) }
```

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

Here you see how a box with a 4 pixel rgb(79, 127, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 127, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 127, 84);  
box-shadow:4px 4px 4px 4px rgb(79, 127,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 31.747, 144.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 127, 84) }
```

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

```
.background{ background-color: rgb(79, 127,  
84) }
```

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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