

Converting Colors

CIELCh(49, 29.604, 116.790)

Have a look what the booklet for
CIELCh(49, 29.604, 116.790)
contains.

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Color

CIELCh(49, 29.604, 116.790)

Conversions

Conversions Part 1

Format	Color
Hex	6E7A47
RGB	110, 122, 71
RGB Percent	43%, 48%, 28%
CMY	0.5698, 0.5227, 0.7226
CMYK	0.10, 0.00, 0.42, 0.52
HSL	74°, 26%, 38%
HSV	74°, 42%, 48%
XYZ	14.4454, 17.5941, 8.5495
YIQ	112.5980, 9.2190, -18.4050

Conversions

Conversions Part 2

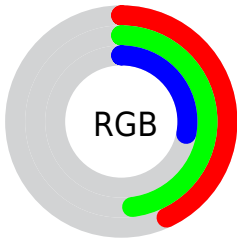
Format	Color
RYB	71, 122, 83
Decimal	7240263
CIELab	49.00, -13.34, 26.43
CIELCh	49, 29.604, 116.790
Yxy	17.5941, 0.3559, 0.4335
Android (android.graphics.Color)	4285430343 (0xFF6E7A47)
YUV	112.5980, -20.5078, -2.2784
Hunter-Lab	41.9453, -11.9313, 17.2770

Details

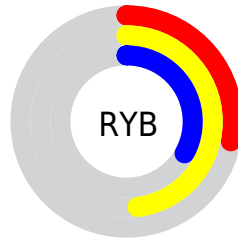
The CIELCh color $49, 29.604, 116.790$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $33, 32.433, 302.666$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 29.561, 116.830$, and $29, 29.617, 116.470$ is the 20% darker color. If you saturate the color by 10%, you get $49, 36.212, 116.250$, and if you desaturate by 10%, it is $49, 22.721, 117.390$.

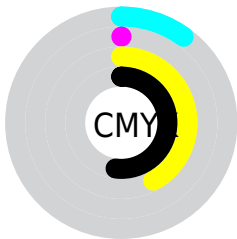
Distribution



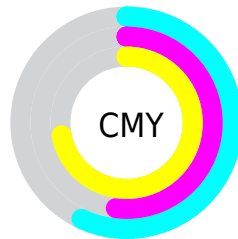
- Red (43%)
- Green (48%)
- Blue (28%)



- Red (28%)
- Yellow (48%)
- Blue (33%)



- Cyan (10%)
- Magenta (0%)
- Yellow (42%)
- Black (52%)




- Cyan (57%)
- Magenta (52%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 29.604, 116.790 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, 29.604, 116.790 by changing the saturation by 10% instead.


 49, 29.604,
116.790


 49, 29.604,
116.790


 100, 29.604,
116.790


 39, 29.604,
116.790

 69, 29.604,
116.790


 29, 29.604,
116.790

 79, 29.604,
116.790

 19, 29.604,
116.790

 89, 29.604,
116.790

 9, 29.604, 116.790

 99, 29.604,
116.790

 0, 29.604, 116.790

 49, 29.604,

 49, 29.604,

116.790

116.790

■ 49, 36.212,
116.250

■ 49, 22.721,
117.390

■ 48, 42.380,
115.810

■ 50, 15.672,
118.011

■ 48, 47.881,
115.536

■ 50, 8.532, 118.634

■ 48, 52.425,
115.510

■ 51, 1.351, 119.254

■ 52, 5.833, 299.826

■ 47, 55.723,
115.821

■ 52, 12.996,
300.387

■ 47, 57.924,
116.174

■ 53, 20.118,
300.916

■ 54, 27.186,
301.412

■ 54, 34.189,

Harmonies

Complementary

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



49, 29.604, 116.790



33, 32.433, 302.666

Rectangle

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



49, 29.604, 116.790



49, 29.604, 166.790



49, 29.604, 296.790



49, 29.604, 346.790

Sweetspot

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



49, 29.605, 116.792



64, 11.554, 118.545



39, 20.005, 42.633



33, 8.038, 118.431



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, 29.605, 116.792



62, 43.268, 116.284



47, 33.501, 134.717



26, 4.061, 118.808



48, 59.038, 116.206



92, 99.703, 116.852

Inverse Universe

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



33, 32.433, 302.666



39, 48.643, 303.628



36, 34.359, 318.487



23, 4.137, 299.927



14, 77.051, 307.849



34, 130.451, 307.442

Previews

White Background



This preview shows how the CIELCh color 49, 29.604, 116.790 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, 29.604, 116.790 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, 29.604, 116.790

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.604, 116.790.



This preview shows how white text looks on a background with the CIELCh color 49, 29.604, 116.790.

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, 29.604, 116.790

Protanopia

49, 27.589, 95.870

Deuteranopia

49, 26.216, 76.172



Tritanopia
49, 5.903, 294.760

Trichromacy



Original Color
49, 29.604, 116.790

Protanomaly
49, 27.595, 103.605

Deuteranomaly
49, 25.768, 92.275

Tritanomaly
49, 7.139, 119.308

Monochromacy



Original Color
49, 29.604, 116.790

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 11.334, 119.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.604, 116.790 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(110, 122, 71)` looks like.

```
.text, #text, p{  
    color:rgb(110, 122, 71)  
}
```

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(110, 122, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 122, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.604, 116.790 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(110, 122, 71) }
```

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

```
.border{ border-color:rgb(110, 122, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 122, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 122, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 122, 71);  
box-shadow:4px 4px 4px 4px rgb(110, 122,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.604, 116.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 122, 71) }
```

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

```
.background{ background-color: rgb(110,  
122, 71) }
```

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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