

Converting Colors

CIELCh(49, 30.986, 101.316)

Have a look what the booklet for
CIELCh(49, 30.986, 101.316)
contains.

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Color

CIELCh(49, 30.964, 100.860)

Conversions

Conversions Part 1

Format	Color
Hex	7C7640
RGB	124, 118, 64
RGB Percent	49%, 46%, 25%
CMY	0.5140, 0.5375, 0.7492
CMYK	0.00, 0.05, 0.48, 0.51
HSL	54°, 32%, 37%
HSV	54°, 48%, 49%
XYZ	15.6996, 17.5941, 7.4112
YIQ	113.6380, 20.9100, -15.5220

Conversions

Conversions Part 2

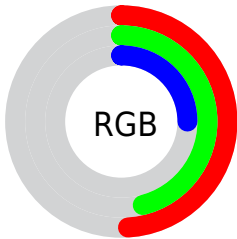
Format	Color
RYB	71, 124, 64
Decimal	8156736
CIELab	49.00, -5.83, 30.41
CIElCh	49, 30.964, 100.860
Yxy	17.5941, 0.3857, 0.4322
Android (android.graphics.Color)	4286346816 (0xFF7C7640)
YUV	113.6380, -24.4715, 9.0875
Hunter-Lab	41.9453, -6.5939, 18.8859

Details

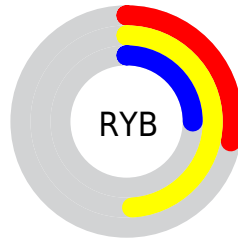
The CIELCh color $49, 30.964, 100.860$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $32, 34.212, 292.824$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 30.984, 100.723$, and $29, 30.970, 101.285$ is the 20% darker color. If you saturate the color by 10%, you get $48, 36.869, 99.860$, and if you desaturate by 10%, it is $50, 24.759, 101.890$.

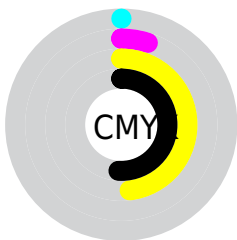
Distribution



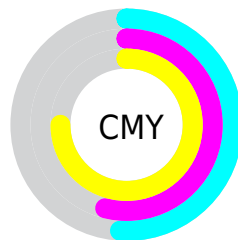
- Red (49%)
- Green (46%)
- Blue (25%)



- Red (28%)
- Yellow (49%)
- Blue (25%)



- Cyan (0%)
- Magenta (5%)
- Yellow (48%)
- Black (51%)




- Cyan (51%)
- Magenta (54%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 30.964, 100.860 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, 30.964, 100.860 by changing the saturation by 10% instead.


 49, 30.964,
100.860


 49, 30.964,
100.860


 100, 30.964,
100.860


 39, 30.964,
100.860

 69, 30.964,
100.860


 29, 30.964,
100.860

 79, 30.964,
100.860

 19, 30.964,
100.860

 89, 30.964,
100.860

 9, 30.964, 100.860

 99, 30.964,
100.860

 0, 30.964, 100.860

 49, 30.964,

 49, 30.964,

100.860

100.860

■ 48, 36.869, 99.860

■ 50, 24.759,
101.890

■ 48, 42.266, 98.897

■ 50, 18.387,
102.924

■ 48, 46.862, 97.991

■ 47, 50.298, 97.152

■ 51, 11.931,
103.952

■ 47, 52.666, 96.373

■ 51, 5.444, 104.960

■ 47, 53.057, 96.251

■ 52, 1.041, 286.037

■ 53, 7.505, 286.937

■ 54, 13.936,
287.859

■ 54, 20.327,
288.745

■ 55, 26.671,

Harmonies

Complementary

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



49, 30.964, 100.860



32, 34.212, 292.824

Rectangle

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



49, 30.964, 100.860



49, 30.964, 150.860



49, 30.964, 280.860



49, 30.964, 330.860

Sweetspot

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



49, 30.965, 100.863



65, 12.024, 104.262



35, 27.795, 17.024



34, 8.267, 104.085



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, 30.965, 100.863



62, 45.195, 99.764



49, 35.600, 123.186



25, 3.612, 104.895



47, 53.364, 96.245



90, 89.530, 95.856

Inverse Universe

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



32, 34.212, 292.824



36, 51.747, 295.189



32, 38.765, 308.311



24, 3.672, 286.774



14, 73.671, 304.369



33, 127.911, 305.248

Previews

White Background



This preview shows how the CIELCh color 49, 30.964, 100.860 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, 30.964, 100.860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

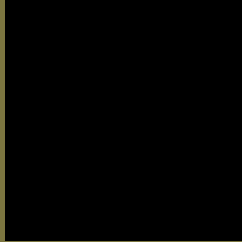
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 30.964, 100.860

Background



This preview shows how black text looks on a background with the CIELCh color 49, 30.964, 100.860.



This preview shows how white text looks on a background with the CIELCh color 49, 30.964, 100.860.

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, 30.964, 100.860

Protanopia

49, 31.330, 96.563

Deuteranopia

49, 30.262, 77.700



Tritanopia
49, 8.703, 347.917

Trichromacy



Original Color
49, 30.964, 100.860

Protanomaly
49, 31.248, 97.409

Deuteranomaly
49, 30.072, 87.180

Tritanomaly
49, 10.202, 72.811

Monochromacy



Original Color
49, 30.964, 100.860

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 11.190, 102.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 30.964, 100.860 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(124, 118, 64)` looks like.

```
.text, #text, p{  
    color:rgb(124, 118, 64)  
}
```

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(124, 118, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 118, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 30.964, 100.860 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(124, 118, 64) }
```

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

```
.border{ border-color:rgb(124, 118, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 118, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 118, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 118, 64);  
box-shadow:4px 4px 4px 4px rgb(124, 118,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 30.964, 100.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 118, 64) }
```

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

```
.background{ background-color: rgb(124,  
118, 64) }
```

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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