

Converting Colors

CIELCh(49, 30.595, 160.121)

Have a look what the booklet for
CIELCh(49, 30.595, 160.121)
contains.

CIELCh(49, 30.685, 160.087)	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, 30.685, 160.087)

Conversions

Conversions Part 1

Format	Color
Hex	3F8162
RGB	63, 129, 98
RGB Percent	25%, 51%, 38%
CMY	0.7535, 0.4947, 0.6162
CMYK	0.51, 0.00, 0.24, 0.49
HSL	152°, 34%, 38%
HSV	152°, 51%, 51%
XYZ	12.0704, 17.5941, 14.2817
YIQ	105.7320, -29.3850, -23.6330

Conversions

Conversions Part 2

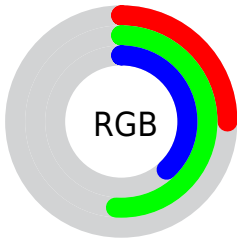
Format	Color
RYB	63, 106, 129
Decimal	4161890
CIELab	49.00, -28.85, 10.45
CIELCh	49, 30.685, 160.087
Yxy	17.5941, 0.2747, 0.4004
Android (android.graphics.Color)	4282351970 (0xFF3F8162)
YUV	105.7320, -3.8119, -37.4760
Hunter-Lab	41.9453, -22.0383, 9.1744

Details

The CIELCh color **49, 30.685, 160.087** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **36, 32.731, 350.813**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 30.425, 160.518**, and **29, 30.892, 159.760** is the 20% darker color. If you saturate the color by 10%, you get **48, 35.866, 158.659**, and if you desaturate by 10%, it is **50, 25.111, 161.354**.

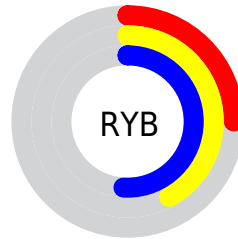
Distribution



 Red (25%)

 Green (51%)

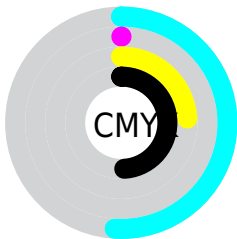
 Blue (38%)




 Red (25%)

 Yellow (42%)

 Blue (51%)

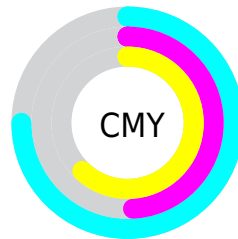


 Cyan (51%)


 Magenta (0%)

 Yellow (24%)

 Black (49%)



 Cyan (75%)


 Magenta (49%)

 Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 30.685, 160.087 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, 30.685, 160.087 by changing the saturation by 10% instead.


 49, 30.685,
160.087


 49, 30.685,
160.087


 100, 30.685,
160.087


 39, 30.685,
160.087

 69, 30.685,
160.087


 29, 30.685,
160.087

 79, 30.685,
160.087

 19, 30.685,
160.087

 89, 30.685,
160.087

 9, 30.685, 160.087

 99, 30.685,
160.087

 0, 30.685, 160.087

 49, 30.685,

 49, 30.685,

160.087

160.087

■ 48, 35.866,
158.659

■ 50, 25.111,
161.354

■ 48, 40.567,
157.052

■ 51, 19.238,
162.486

■ 48, 44.728,
155.250

■ 52, 13.164,
163.504

■ 47, 48.328,
153.250

■ 53, 6.977, 164.438

■ 47, 51.204,
151.487

■ 54, 0.753, 165.625

■ 55, 5.445, 345.931

■ 56, 11.569,
346.663

■ 58, 17.585,
347.325

■ 59, 23.467,

Harmonies

Complementary

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



49, 30.685, 160.087



36, 32.731, 350.813

Rectangle

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



49, 30.685, 160.087



49, 30.685, 210.087



49, 30.685, 340.087



49, 30.685, 30.087

Sweetspot

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



49, 30.686, 160.086



67, 11.598, 164.059



50, 39.930, 127.379



34, 7.873, 163.896



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, 30.686, 160.086



62, 44.317, 158.474



50, 21.482, 198.967



26, 3.474, 164.631



47, 50.787, 151.514



0, 0.000, 0.000

Inverse Universe

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



36, 32.731, 350.813



43, 47.449, 352.709



35, 30.911, 26.019



25, 3.522, 346.018



26, 50.597, 3.347



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 30.685, 160.087 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, 30.685, 160.087 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, 30.685, 160.087

Background



This preview shows how black text looks on a background with the CIELCh color 49, 30.685, 160.087.



This preview shows how white text looks on a background with the CIELCh color 49, 30.685, 160.087.

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, 30.685, 160.087

Protanopia
49, 14.336, 95.948

Deuteranopia
49, 10.460, 53.995



Tritanopia
49, 17.904, 217.091

Trichromacy



Original Color
49, 30.685, 160.087

Protanomaly
49, 17.888, 136.007

Deuteranomaly
48, 11.527, 132.235

Tritanomaly
49, 20.261, 188.881

Monochromacy



Original Color
49, 30.685, 160.087

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 11.715, 164.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 30.685, 160.087 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(63, 129, 98)` looks like.

```
.text, #text, p{  
    color:rgb(63, 129, 98)  
}
```

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(63, 129, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 129, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 30.685, 160.087 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(63, 129, 98) }
```

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

```
.border{ border-color:rgb(63, 129, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 129, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 129, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 129, 98);  
box-shadow:4px 4px 4px 4px rgb(63, 129,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 30.685, 160.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 129, 98) }
```

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

```
.background{ background-color: rgb(63, 129,  
98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor