

Converting Colors

CIELCh(47, 31.234, 282.862)

Have a look what the booklet for
CIELCh(47, 31.234, 282.862)
contains.

CIELCh(47, 31.083, 283.150)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(47, 31.083, 283.150)

Conversions

Conversions Part 1

Format	Color
Hex	5B6EA2
RGB	91, 110, 162
RGB Percent	36%, 43%, 64%
CMY	0.6427, 0.5682, 0.3642
CMYK	0.44, 0.32, 0.00, 0.36
HSL	224°, 28%, 50%
HSV	224°, 44%, 64%
XYZ	16.4467, 16.0195, 36.4645
YIQ	110.2470, -28.0160, 12.1440

Conversions

Conversions Part 2

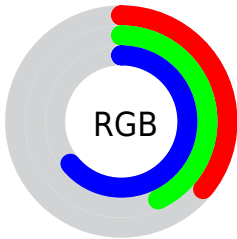
Format	Color
R _Y B	91, 106, 162
Decimal	5992098
CIE Lab	47.00, 7.07, -30.27
CIE LCh	47, 31.083, 283.150
Yxy	16.0195, 0.2386, 0.2324
Android (android.graphics.Color)	4284182178 (0xFF5B6EA2)
YUV	110.2470, 25.5142, -16.8796
Hunter-Lab	40.0243, 3.3065, -25.9996

Details

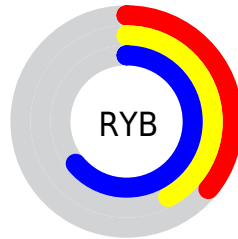
The CIELCh color $47, 31.083, 283.150$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 30.229, 90.630$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 31.230, 283.389$, and $27, 30.895, 283.070$ is the 20% darker color. If you saturate the color by 10%, you get $43, 38.690, 285.533$, and if you desaturate by 10%, it is $51, 23.687, 281.090$.

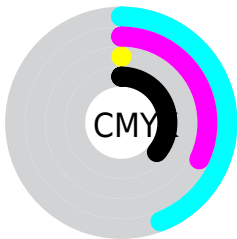
Distribution



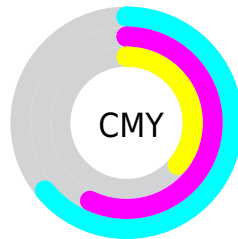
- Red (36%)
- Green (43%)
- Blue (64%)



- Red (36%)
- Yellow (42%)
- Blue (64%)



- Cyan (44%)
- Magenta (32%)
- Yellow (0%)
- Black (36%)





- Cyan (64%)
- Magenta (57%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 31.083, 283.150 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 47, 31.083, 283.150 by changing the saturation by 10% instead.


 47, 31.083,
283.150


 47, 31.083,
283.150


 100, 31.083,
283.150


 37, 31.083,
283.150

 67, 31.083,
283.150


 27, 31.083,
283.150

 77, 31.083,
283.150

 17, 31.083,
283.150

 87, 31.083,
283.150

 7, 31.083, 283.150

 97, 31.083,
283.150

 0, 31.083, 283.150

 47, 31.083,

 47, 31.083,

283.150

283.150

■ 43, 38.690,
285.533

■ 51, 23.687,
281.090

■ 38, 46.534,
288.248

■ 56, 16.482,
279.322

■ 34, 54.618,
291.264

■ 60, 9.449, 277.809

■ 65, 2.575, 276.550

■ 30, 62.881,
294.485

■ 69, 4.146, 95.315

■ 27, 71.112,
297.729

■ 74, 10.720, 94.360

■ 78, 17.153, 93.510

■ 25, 76.062,
299.551

■ 83, 23.446, 92.760

■ 87, 29.604, 92.097

Harmonies

Complementary

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



47, 31.083, 283.150



60, 30.229, 90.630

Rectangle

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



47, 31.083, 283.150



47, 31.083, 333.150



47, 31.083, 103.150



47, 31.083, 153.150

Sweetspot

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



47, 31.082, 283.150



78, 11.057, 277.733



62, 27.495, 172.658



40, 7.817, 278.032



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



47, 31.082, 283.150



55, 47.372, 285.587



43, 43.049, 302.404



32, 3.877, 277.203



22, 69.567, 299.250



1, 6.148, 277.744

Inverse Universe

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



47, 31.434, 3.707



57, 47.388, 5.767



64, 38.897, 115.809



32, 3.857, 359.052



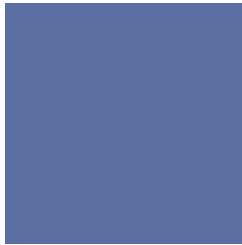
30, 58.227, 22.785



1, 5.817, 0.077

Previews

White Background



This preview shows how the CIELCh color 47, 31.083, 283.150 looks on a white background.

Color Contrast Check

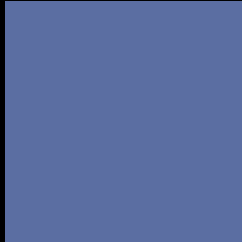
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 31.083, 283.150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

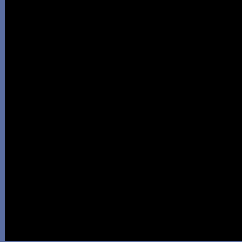
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

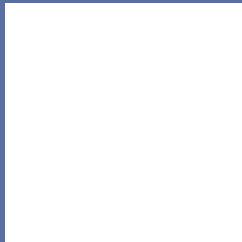
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 31.083, 283.150

Background



This preview shows how black text looks on a background with the CIELCh color 47, 31.083, 283.150.

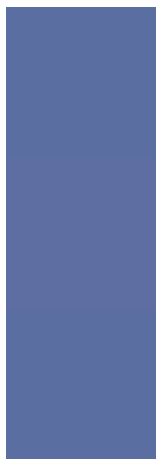


This preview shows how white text looks on a background with the CIELCh color 47, 31.083, 283.150.

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

47, 31.083, 283.150

Protanopia

47, 31.542, 285.635

Deuteranopia

47, 31.129, 282.622



Tritanopia
47, 13.871, 223.630

Trichromacy



Original Color
47, 31.083, 283.150

Protanomaly
47, 31.578, 285.100

Deuteranomaly
47, 31.129, 282.622

Tritanomaly
47, 17.905, 258.741

Monochromacy



Original Color
47, 31.083, 283.150

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 11.505, 278.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 31.083, 283.150 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(91, 110, 162)` looks like.

```
.text, #text, p{  
    color:rgb(91, 110, 162)  
}
```

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(91, 110, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 110, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 31.083, 283.150 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(91, 110, 162) }
```

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

```
.border{ border-color:rgb(91, 110, 162) }
```

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

Here you see how a box with a 4 pixel rgb(91, 110, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 110, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 110, 162);  
box-shadow:4px 4px 4px 4px rgb(91, 110,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 31.083, 283.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 110, 162) }
```

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

```
.background{ background-color: rgb(91, 110,  
162) }
```

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