

Converting Colors

CIELCh(47, 53.624, 310.959)

Have a look what the booklet for
CIELCh(47, 53.624, 310.959)
contains.

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Color

CIELCh(47, 53.500, 310.819)

Conversions

Conversions Part 1

Format	Color
Hex	865CB4
RGB	134, 92, 180
RGB Percent	53%, 36%, 71%
CMY	0.4745, 0.6392, 0.2941
CMYK	0.26, 0.49, 0.00, 0.29
HSL	269°, 37%, 53%
HSV	269°, 49%, 71%
XYZ	21.8987, 16.0195, 45.1207
YIQ	114.5900, -3.2160, 36.2720

Conversions

Conversions Part 2

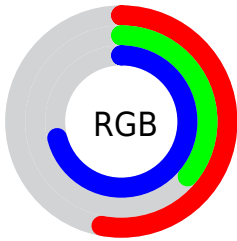
Format	Color
RYB	134, 92, 180
Decimal	8805556
CIELab	47.00, 34.97, -40.49
CIELCh	47, 53.500, 310.819
Yxy	16.0195, 0.2637, 0.1929
Android (android.graphics.Color)	4286995636 (0xFF865CB4)
YUV	114.5900, 32.2471, 17.0226
Hunter-Lab	40.0243, 27.6210, -38.8225

Details

The CIELCh color $47, 53.500, 310.819$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $69, 49.606, 126.008$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 53.515, 310.881$, and $27, 53.773, 310.666$ is the 20% darker color. If you saturate the color by 10%, you get $42, 64.551, 311.343$, and if you desaturate by 10%, it is $52, 42.239, 310.256$.

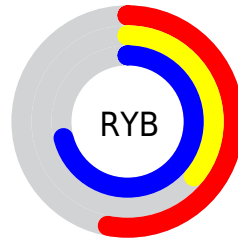
Distribution



Red (53%)

Green (36%)

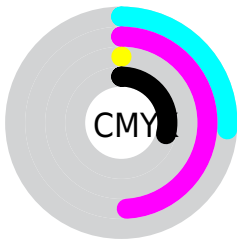
Blue (71%)



Red (53%)

Yellow (36%)

Blue (71%)

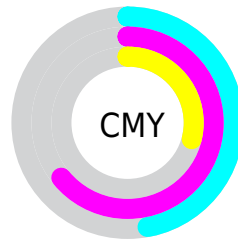


Cyan (26%)

Magenta (49%)

Yellow (0%)

Black (29%)



Cyan (47%)


Magenta (64%)

Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 53.500, 310.819 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, 53.500, 310.819 by changing the saturation by 10% instead.


 47, 53.500,
310.819


 47, 53.500,
310.819


 100, 53.500,
310.819


 37, 53.500,
310.819

 67, 53.500,
310.819


 27, 53.500,
310.819

 77, 53.500,
310.819

 17, 53.500,
310.819

 87, 53.500,
310.819

 7, 53.500, 310.819

 97, 53.500,
310.819

 0, 53.500, 310.819

 47, 53.500,

 47, 53.500,

310.819

42, 64.551,
311.343

37, 74.971,
311.763

33, 84.131,
311.985

30, 91.255,
311.894

28, 96.021,
311.457

27, 96.527,
311.414

310.819

52, 42.239,
310.256

58, 31.032,
309.695

63, 20.023,
309.160


68, 9.288, 308.661

74, 1.136, 128.314

79, 11.241,
127.832

85, 21.028,
127.472

90, 30.507,
127.158

 96, 39.692,
126.884

Harmonies

Complementary

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



47, 53.500, 310.819



69, 49.606, 126.008

Rectangle

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



47, 53.500, 310.819



47, 53.500, 0.819



47, 53.500, 130.819



47, 53.500, 180.819

Sweetspot

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



47, 53.499, 310.819



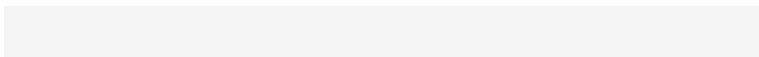
83, 19.622, 308.975



56, 26.830, 260.598



42, 13.416, 309.080



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



47, 53.499, 310.819



54, 80.190, 311.397



52, 57.141, 325.966



35, 5.883, 308.682



23, 85.500, 311.558



1, 13.791, 304.498

Inverse Universe

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



51, 42.245, 347.406



61, 61.747, 349.105



66, 57.235, 139.860



35, 4.830, 343.154



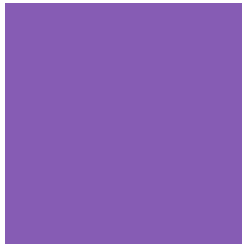
33, 58.231, 359.215



2, 10.747, 348.594

Previews

White Background



This preview shows how the CIELCh color 47, 53.500, 310.819 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 47, 53.500, 310.819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

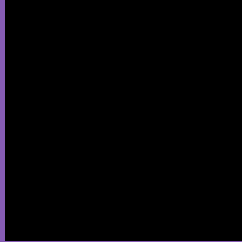
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 53.500, 310.819

Background



This preview shows how black text looks on a background with the CIELCh color 47, 53.500, 310.819.

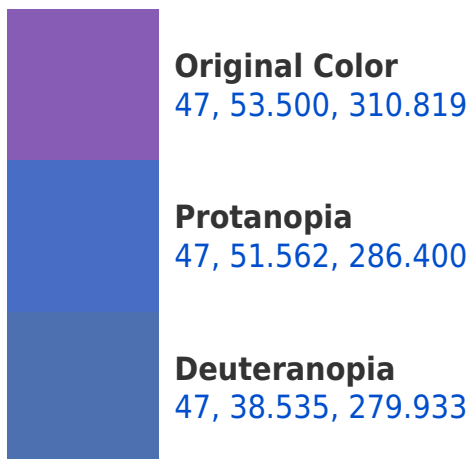



This preview shows how white text looks on a background with the CIELCh color 47, 53.500, 310.819.

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





Tritanopia
47, 8.436, 341.390

Trichromacy



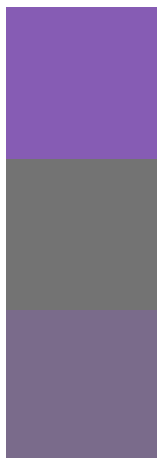
Original Color
47, 53.500, 310.819

Protanomaly
47, 51.374, 294.197

Deuteranomaly
47, 42.598, 292.464

Tritanomaly
47, 23.952, 316.057

Monochromacy



Original Color
47, 53.500, 310.819

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 19.834, 309.062

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 53.500, 310.819 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(134, 92, 180)` looks like.

```
.text, #text, p{  
    color:rgb(134, 92, 180)  
}
```

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(134, 92, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 92, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 53.500, 310.819 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(134, 92, 180) }
```

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

```
.border{ border-color:rgb(134, 92, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 92, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 92, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 92, 180);  
box-shadow:4px 4px 4px 4px rgb(134, 92,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 53.500, 310.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 92, 180) }
```

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

```
.background{ background-color: rgb(134, 92,  
180) }
```

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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