

Converting Colors

CIELCh(63, 50.397, 310.555)

Have a look what the booklet for
CIELCh(63, 50.397, 310.555)
contains.

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Color

CIELCh(63, 50.605, 310.490)

Conversions

Conversions Part 1

Format	Color
Hex	B086DD
RGB	176, 134, 221
RGB Percent	69%, 53%, 87%
CMY	0.3090, 0.4738, 0.1325
CMYK	0.20, 0.39, 0.00, 0.13
HSL	269°, 56%, 70%
HSV	269°, 39%, 87%
XYZ	39.5792, 31.5869, 72.5599
YIQ	156.4760, -2.8950, 35.9610

Conversions

Conversions Part 2

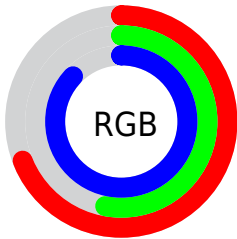
Format	Color
R _Y B	176, 134, 221
Decimal	11568861
CIE Lab	63.00, 32.86, -38.49
CIE LCh	63, 50.605, 310.490
Yxy	31.5869, 0.2754, 0.2198
Android (android.graphics.Color)	4289758941 (0xFFB086DD)
YUV	156.4760, 31.8103, 17.1225
Hunter-Lab	56.2022, 27.3508, -37.2047

Details

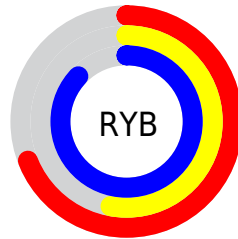
The CIELCh color $63, 50.605, 310.490$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $84, 47.696, 126.602$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 38.733, 315.963$, and $43, 50.667, 310.795$ is the 20% darker color. If you saturate the color by 10%, you get $57, 63.902, 311.051$, and if you desaturate by 10%, it is $69, 37.335, 309.926$.

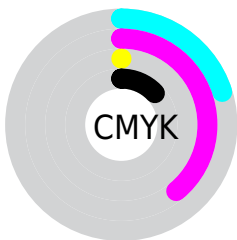
Distribution



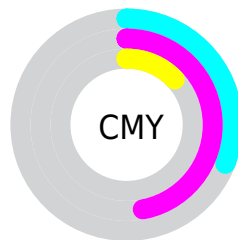
- Red (69%)
- Green (53%)
- Blue (87%)



- Red (69%)
- Yellow (53%)
- Blue (87%)



- Cyan (20%)
- Magenta (39%)
- Yellow (0%)
- Black (13%)




- Cyan (31%)
- Magenta (47%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 50.605, 310.490 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 63, 50.605, 310.490 by changing the saturation by 10% instead.


 63, 50.605,
310.490


 63, 50.605,
310.490


 100, 50.605,
310.490


 53, 50.605,
310.490


 83, 50.605,
310.490

 43, 50.605,
310.490

 93, 50.605,
310.490

 33, 50.605,
310.490

 23, 50.605,
310.490

 13, 50.605,
310.490

 3, 50.605, 310.490

 0, 50.605, 310.490

63, 50.605,
310.490

63, 50.605,
310.490

57, 63.902,
311.051

69, 37.335,
309.926

51, 76.895,
311.564

76, 24.287,
309.386

46, 89.036,
311.958

82, 11.561,
308.881

41, 99.533,
312.133

89, 0.798, 128.590

37, 107.445,
311.969

95, 12.776,
128.041

35, 112.346,
311.418

98, 17.536,
121.058

35, 112.639,
311.381

99, 17.092,
108.885

Harmonies

Complementary

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



63, 50.605, 310.490



84, 47.696, 126.602

Rectangle

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



63, 50.605, 310.490



63, 50.605, 0.490



63, 50.605, 130.490



63, 50.605, 180.490

Sweetspot

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



63, 50.603, 310.490



91, 16.742, 309.017



72, 25.825, 258.340



48, 11.126, 309.083



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 50.603, 310.490



66, 68.254, 310.943



67, 55.103, 325.569



43, 6.981, 308.886



26, 93.750, 311.566



3, 31.113, 308.712

Inverse Universe

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



66, 40.408, 346.561



71, 53.797, 347.616



81, 55.069, 140.726



43, 5.704, 343.469



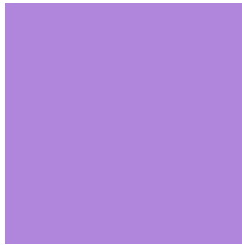
37, 63.702, 0.168



6, 25.250, 353.301

Previews

White Background



This preview shows how the CIELCh color 63, 50.605, 310.490 looks on a white background.

Color Contrast Check

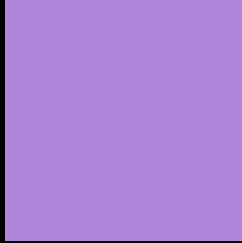
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 63, 50.605, 310.490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

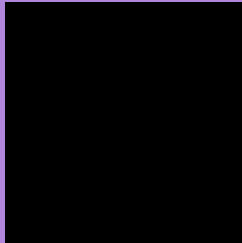
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 50.605, 310.490

Background



This preview shows how black text looks on a background with the CIELCh color 63, 50.605, 310.490.

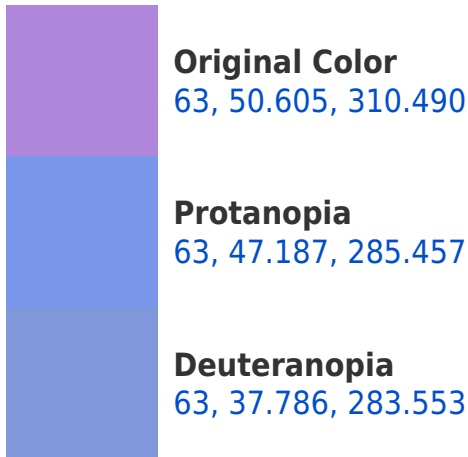


This preview shows how white text looks on a background with the CIELCh color 63, 50.605, 310.490.

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
63, 9.943, 337.988

Trichromacy



Original Color
63, 50.605, 310.490



Protanomaly
63, 47.566, 294.370



Deuteranomaly
63, 41.454, 294.912



Tritanomaly
63, 24.700, 316.655

Monochromacy



Original Color
63, 50.605, 310.490



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 18.237, 309.300

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 50.605, 310.490 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(176, 134, 221)` looks like.

```
.text, #text, p{  
    color:rgb(176, 134, 221)  
}
```

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(176, 134, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 134, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 50.605, 310.490 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(176, 134, 221) }
```

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

```
.border{ border-color:rgb(176, 134, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 134, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 134, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 134, 221);  
box-shadow:4px 4px 4px 4px rgb(176, 134,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 50.605, 310.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 134, 221) }
```

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

```
.background{ background-color: rgb(176,  
134, 221) }
```

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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