

Converting Colors

CIELCh(63, 51.487, 319.131)

Have a look what the booklet for
CIELCh(63, 51.487, 319.131)
contains.

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Color

CIELCh(63, 51.236, 318.984)

Conversions

Conversions Part 1

Format	Color
Hex	C081D5
RGB	192, 129, 213
RGB Percent	75%, 51%, 84%
CMY	0.2482, 0.4952, 0.1658
CMYK	0.10, 0.39, 0.00, 0.17
HSL	285°, 50%, 67%
HSV	285°, 39%, 83%
XYZ	41.4526, 31.5869, 66.6692
YIQ	157.4130, 10.5840, 39.4800

Conversions

Conversions Part 2

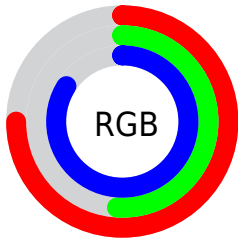
Format	Color
RYB	192, 129, 213
Decimal	12616149
CIELab	63.00, 38.66, -33.62
CIElCh	63, 51.236, 318.984
Yxy	31.5869, 0.2967, 0.2261
Android (android.graphics.Color)	4290806229 (0xFFC081D5)
YUV	157.4130, 27.4044, 30.3328
Hunter-Lab	56.2022, 33.3007, -30.9904

Details

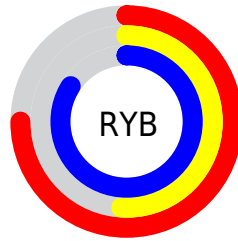
The CIELCh color $63, 51.236, 318.984$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $79, 50.073, 135.226$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 44.286, 323.986$, and $43, 51.206, 318.969$ is the 20% darker color. If you saturate the color by 10%, you get $58, 63.859, 319.354$, and if you desaturate by 10%, it is $68, 38.215, 318.566$.

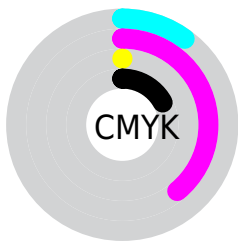
Distribution



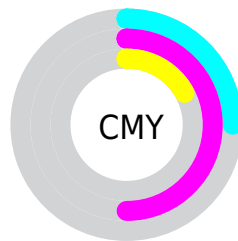
- Red (75%)
- Green (51%)
- Blue (84%)



- Red (75%)
- Yellow (51%)
- Blue (84%)



- Cyan (10%)
- Magenta (39%)
- Yellow (0%)
- Black (17%)





- Cyan (25%)
- Magenta (50%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 51.236, 318.984 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, 51.236, 318.984 by changing the saturation by 10% instead.


 63, 51.236,
318.984


 63, 51.236,
318.984


 100, 51.236,
318.984


 53, 51.236,
318.984


 83, 51.236,
318.984

 43, 51.236,
318.984

 93, 51.236,
318.984

 33, 51.236,
318.984

 23, 51.236,
318.984

 13, 51.236,
318.984

 3, 51.236, 318.984

 0, 51.236, 318.984

63, 51.236,
318.984

63, 51.236,
318.984

58, 63.859,
319.354

68, 38.215,
318.566

53, 75.654,
319.637

74, 25.108,
318.126

49, 86.051,
319.787

80, 12.113,
317.680

46, 94.411,
319.748

85, 0.647, 137.588

43, 100.181,
319.466

91, 13.103,
136.886


42, 103.412,
318.939

97, 24.397,
136.282

42, 103.560,
318.911

97, 23.531,
132.298

98, 22.786,
127.976

 98, 22.182,
123.336

Harmonies

Complementary

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



63, 51.236, 318.984



79, 50.073, 135.226

Rectangle

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



63, 51.236, 318.984



63, 51.236, 8.984



63, 51.236, 138.984



63, 51.236, 188.984

Sweetspot

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



63, 51.234, 318.984



92, 17.808, 317.799



63, 34.833, 282.437



48, 11.826, 317.858



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, 51.234, 318.984



70, 70.395, 319.286



65, 46.106, 334.418



42, 7.293, 317.678



33, 87.903, 319.037



4, 31.087, 318.743

Inverse Universe

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



63, 35.098, 4.373



70, 48.726, 5.885



79, 45.871, 148.415



42, 4.795, 0.348



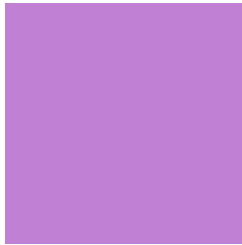
36, 66.552, 25.108



5, 22.145, 8.651

Previews

White Background



This preview shows how the CIELCh color 63, 51.236, 318.984 looks on a white background.

Color Contrast Check

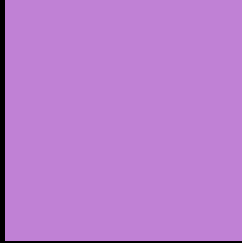
Large Text (above 18pt) WCAG AA × Fail

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, 51.236, 318.984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

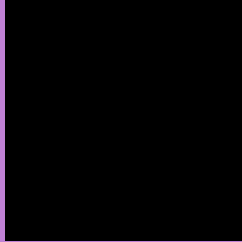
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 51.236, 318.984

Background



This preview shows how black text looks on a background with the CIELCh color 63, 51.236, 318.984.



This preview shows how white text looks on a background with the CIELCh color 63, 51.236, 318.984.

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
63, 51.236, 318.984

Protanopia
63, 44.929, 285.642

Deuteranopia
63, 32.044, 285.010



Tritanopia
63, 17.246, 0.500

Trichromacy



Original Color
63, 51.236, 318.984



Protanomaly
63, 46.067, 297.587



Deuteranomaly
63, 37.901, 300.481



Tritanomaly
63, 27.949, 333.105

Monochromacy



Original Color
63, 51.236, 318.984



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 18.853, 318.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 51.236, 318.984 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(192, 129, 213)` looks like.

```
.text, #text, p{  
    color:rgb(192, 129, 213)  
}
```

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(192, 129, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 129, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 51.236, 318.984 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(192, 129, 213) }
```

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

```
.border{ border-color:rgb(192, 129, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 129, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 129, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 129, 213);  
box-shadow:4px 4px 4px 4px rgb(192, 129,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 51.236, 318.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 129, 213) }
```

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

```
.background{ background-color: rgb(192,  
129, 213) }
```

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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