

Converting Colors

CIELCh(53, 73.361, 318.053)

Have a look what the booklet for
CIELCh(53, 73.361, 318.053)
contains.

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Color

CIELCh(53, 73.500, 318.031)

Conversions

Conversions Part 1

Format	Color
Hex	AF59D4
RGB	175, 89, 212
RGB Percent	69%, 35%, 83%
CMY	0.3133, 0.6506, 0.1682
CMYK	0.17, 0.58, 0.00, 0.17
HSL	282°, 59%, 59%
HSV	282°, 58%, 83%
XYZ	33.1806, 21.0462, 64.6704
YIQ	128.7360, 11.7730, 56.4850

Conversions

Conversions Part 2

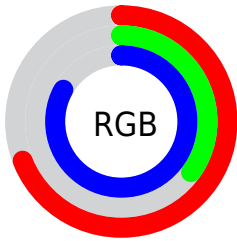
Format	Color
RYB	175, 89, 212
Decimal	11491796
CIELab	53.00, 54.65, -49.15
CIELCh	53, 73.500, 318.031
Yxy	21.0462, 0.2791, 0.1770
Android (android.graphics.Color)	4289681876 (0xFFAF59D4)
YUV	128.7360, 41.0492, 40.5735
Hunter-Lab	45.8761, 48.8196, -51.4663

Details

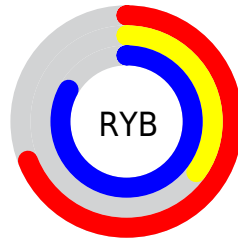
The CIELCh color **53, 73.500, 318.031** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **77, 70.600, 132.765**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 66.512, 320.837**, and **33, 73.852, 317.970** is the 20% darker color. If you saturate the color by 10%, you get **49, 84.355, 318.213**, and if you desaturate by 10%, it is **58, 61.447, 317.721**.

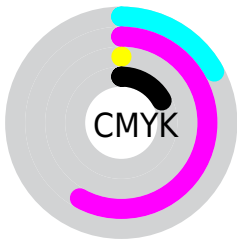
Distribution



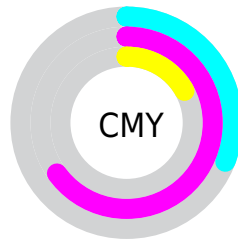
- Red (69%)
- Green (35%)
- Blue (83%)



- Red (69%)
- Yellow (35%)
- Blue (83%)



- Cyan (17%)
- Magenta (58%)
- Yellow (0%)
- Black (17%)





- Cyan (31%)
- Magenta (65%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 73.500, 318.031 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 53, 73.500, 318.031 by changing the saturation by 10% instead.


 53, 73.500,
318.031


 53, 73.500,
318.031


 100, 73.500,
318.031


 43, 73.500,
318.031


 73, 73.500,
318.031

 33, 73.500,
318.031

 83, 73.500,
318.031

 23, 73.500,
318.031

 93, 73.500,
318.031

 13, 73.500,
318.031

 3, 73.500, 318.031

 0, 73.500, 318.031

53, 73.500,
318.031

53, 73.500,
318.031

49, 84.355,
318.213

58, 61.447,
317.721

45, 93.360,
318.203

63, 48.742,
317.332

42, 99.873,
317.935

69, 35.780,
316.905

40, 103.655,
317.375

74, 22.823,
316.464

40, 104.281,
317.252

80, 10.037,
316.023

86, 2.479, 135.706

92, 14.675,
135.256

97, 24.248,
134.119

■ 97, 23.300,
129.149

Harmonies

Complementary

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



53, 73.500, 318.031



77, 70.600, 132.765

Rectangle

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



53, 73.500, 318.031



53, 73.500, 8.031



53, 73.500, 138.031



53, 73.500, 188.031

Sweetspot

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



53, 73.498, 318.031



88, 25.022, 316.428



54, 48.795, 283.696



46, 16.767, 316.518



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 73.498, 318.031



57, 100.017, 318.232



57, 67.195, 333.770



42, 7.196, 316.087



32, 88.687, 317.394



4, 30.640, 316.700

Inverse Universe

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



55, 52.010, 4.444



60, 71.061, 8.140



76, 67.934, 144.464



42, 4.910, 356.741



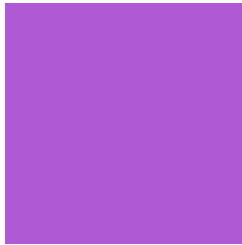
36, 64.807, 20.679



5, 22.280, 6.194

Previews

White Background



This preview shows how the CIELCh color 53, 73.500, 318.031 looks on a white background.

Color Contrast Check

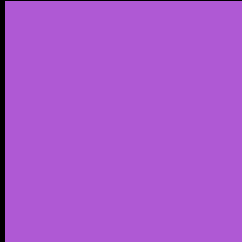
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 53, 73.500, 318.031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

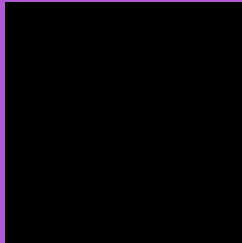
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 73.500, 318.031

Background



This preview shows how black text looks on a background with the CIELCh color 53, 73.500, 318.031.

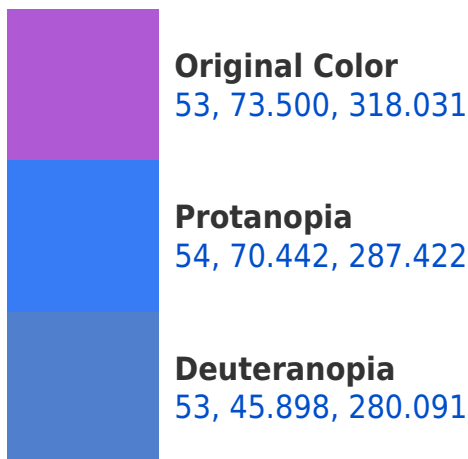


This preview shows how white text looks on a background with the CIELCh color 53, 73.500, 318.031.

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
53, 20.391, 8.985

Trichromacy



Original Color
53, 73.500, 318.031



Protanomaly
52, 70.430, 295.846



Deuteranomaly
52, 55.096, 297.169



Tritanomaly
53, 36.690, 332.660

Monochromacy



Original Color
53, 73.500, 318.031



Achromatopsia
54, 0.007, 296.813



Achromatomaly
53, 28.679, 317.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 73.500, 318.031 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(175, 89, 212)` looks like.

```
.text, #text, p{  
    color:rgb(175, 89, 212)  
}
```

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(175, 89, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 89, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 73.500, 318.031 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(175, 89, 212) }
```

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

```
.border{ border-color:rgb(175, 89, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 89, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 89, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 89, 212); box-shadow:4px 4px 4px 4px rgb(175, 89, 212) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 73.500, 318.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 89, 212) }
```

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

```
.background{ background-color: rgb(175, 89,  
212) }
```

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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