Converting Colors

CIELCh(52, 51.710, 313.496)

Have a look what the booklet for CIELCh(52, 51.710, 313.496) contains.

Color

CIELCh(52, 51.573, 313.363)

Conversions

Format	Color
Hex	9868BD
RGB	152, 104, 189
RGB Percent	60%, 41%, 74%
CMY	0.4052, 0.5933, 0.2601
CMYK	0.20, 0.45, 0.00, 0.26
HSL	274°, 39%, 57%
HSV	274°, 45%, 74%
XYZ	26.9582, 20.1443, 50.4247
YIQ	128.0420, 1.3230, 36.6110

Conversions Part 1

Conversions

Conversions Part 2

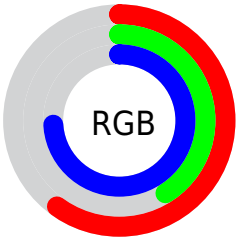
Format	Color
RYB	152, 104, 189
Decimal	9988285
CIELab	52.00, 35.41, -37.49
CIELCh	52, 51.573, 313.363
Yxy	20.1443, 0.2764, 0.2066
Android (android.graphics.Color)	4288178365 (0xFF9868BD)
YUV	128.0420, 30.0523, 21.0112
Hunter-Lab	44.8824, 28.6702, -35.1937

Details

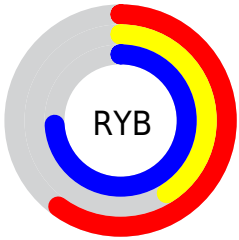
The CIELCh color 52, 51.573, 313.363 is a dark color, and the websafe version is hex 9966CC. A complement of this color would be 71, 48.834, 129.221, and the grayscale version is 53, 0.007, 296.813.

A 20% lighter version of the original color is 72, 51.863, 313.415, and 32, 51.522, 313.455 is the 20% darker color. If you saturate the color by 10%, you get 47, 63.013, 313.795, and if you desaturate by 10%, it is 57, 39.895, 312.888.

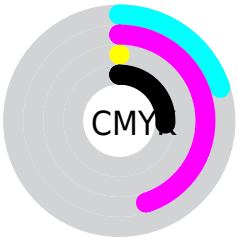
Distribution



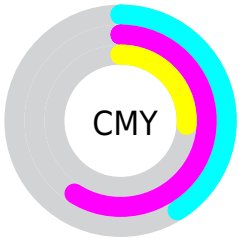
- Red (60%)
- Green (41%)
- Blue (74%)



- Red (60%)
- Yellow (41%)
- Blue (74%)



- Cyan (20%)
- Magenta (45%)
- Yellow (0%)
- Black (26%)



- Cyan (41%)
- Magenta (59%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 51.573, 313.363 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 52, 51.573, 313.363 by changing the saturation by 10% instead.

52, 51.573, 313.363

100, 51.573, 313.363

72, 51.573, 313.363

82, 51.573, 313.363

92, 51.573, 313.363

52, 51.573, 313.363

42, 51.573, 313.363

32, 51.573, 313.363

22, 51.573, 313.363

12, 51.573, 313.363

2, 51.573, 313.363

0, 51.573, 313.363

52, 51.573, 313.363

47, 63.013, 313.795

42, 73.817, 314.131

38, 83.407, 314.295

35, 91.077, 314.195

32, 96.185, 313.740

31, 98.136, 313.451

52, 51.573, 313.363

57, 39.895, 312.888

63, 28.241, 312.404

68, 16.763, 311.934

74, 5.545, 311.479

79, 5.370, 131.124

85, 15.966, 130.740

90, 26.241, 130.408

96, 36.203, 130.115

97, 35.297, 125.791

Harmonies

Complementary

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

52, 51.573, 313.363

71, 48.834, 129.221

Rectangle

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

52, 51.573, 313.363

52, 51.573, 3.363

52, 51.573, 133.363

52, 51.573, 183.363

Sweetspot

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

52, 51.572, 313.363

87, 19.266, 311.897

58, 28.497, 268.771

45, 13.331, 311.996

98, 0.011, 296.813

51, 0.007, 296.813

Same Dimension

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

52, 51.572, 313.363

61, 76.398, 313.789

56, 53.616, 328.274

37, 6.274, 311.676

26, 85.999, 313.600

2, 18.292, 307.282

Inverse Universe

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

55, 38.823, 352.298

65, 56.865, 353.956

70, 53.815, 142.227

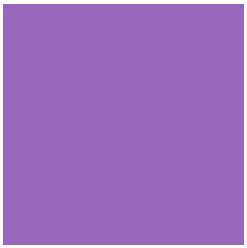
37, 4.775, 348.056

33, 59.071, 7.585

3, 13.498, 355.353

Previews

White Background

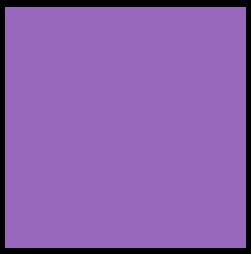


This preview shows how the CIELCh color 52, 51.573, 313.363 looks on a white background.

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



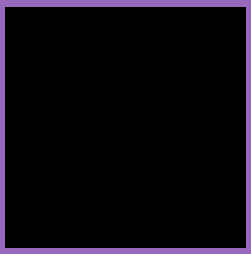
This preview shows how the CIELCh color 52, 51.573, 313.363 looks on a black background.

Color Contrast Check

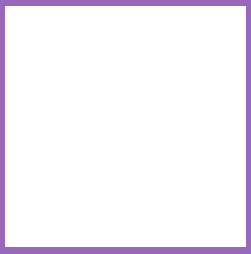
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 52, 51.573, 313.363 Background



This preview shows how black text looks on a background with the CIELCh color 52, 51.573, 313.363.

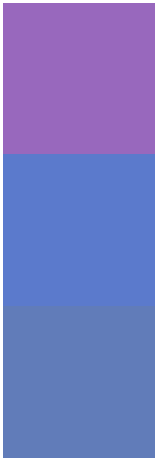


This preview shows how white text looks on a background with the CIELCh color 52, 51.573, 313.363.

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



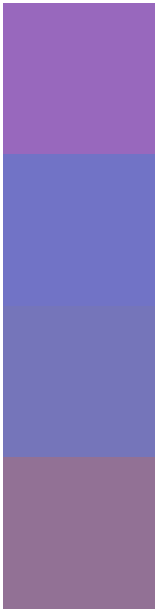
Original Color
52, 51.573, 313.363

Protanopia
52, 47.753, 285.755

Deuteranopia
52, 35.868, 281.482

Tritanopia
52, 11.011, 352.527

Trichromacy



Original Color
52, 51.573, 313.363

Protanomaly
52, 48.195, 295.193

Deuteranomaly
52, 40.100, 294.983

Tritanomaly
52, 24.386, 323.337

Monochromacy

Original Color
52, 51.573, 313.363

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 19.295, 312.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 51.573, 313.363 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(152, 104, 189) looks like.

```
.text, #text, p{
    color:rgb(152, 104, 189)
}
```

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(152, 104, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 104, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 51.573, 313.363 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(152, 104, 189) }
```

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

```
.border{ border-color:rgb(152, 104, 189) }
```

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

Here you see how a box with a 4 pixel rgb(152, 104, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 104, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 104, 189); box-shadow:4px 4px 4px 4px rgb(152, 104, 189) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 51.573, 313.363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(152, 104, 189) }
```

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

```
.background{ background-color:rgb(152,
104, 189) }
```

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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