

Converting Colors

CIELCh(51, 50.676, 315.943)

Have a look what the booklet for
CIELCh(51, 50.676, 315.943)
contains.

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Color

CIELCh(51, 50.625, 315.934)

Conversions

Conversions Part 1

Format	Color
Hex	9964B6
RGB	153, 100, 182
RGB Percent	60%, 39%, 71%
CMY	0.3999, 0.6078, 0.2862
CMYK	0.16, 0.45, 0.00, 0.29
HSL	279°, 36%, 55%
HSV	279°, 45%, 71%
XYZ	26.1431, 19.2686, 46.6055
YIQ	125.1950, 5.2660, 36.7380

Conversions

Conversions Part 2

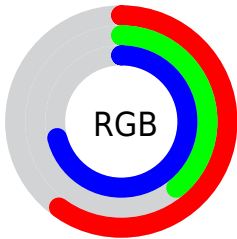
Format	Color
R _Y B	153, 100, 182
Decimal	10052790
CIE Lab	51.00, 36.38, -35.21
CIE LCh	51, 50.625, 315.934
Yxy	19.2686, 0.2841, 0.2094
Android (android.graphics.Color)	4288242870 (0xFF9964B6)
YUV	125.1950, 28.0049, 24.3850
Hunter-Lab	43.8960, 29.4908, -32.2224

Details

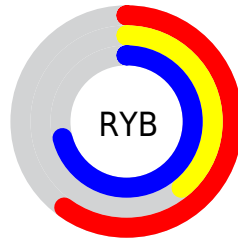
The CIELCh color **51, 50.625, 315.934** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **69, 48.586, 131.867**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 50.557, 316.111**, and **31, 50.824, 315.855** is the 20% darker color. If you saturate the color by 10%, you get **46, 61.599, 316.298**, and if you desaturate by 10%, it is **56, 39.295, 315.514**.

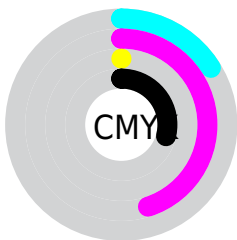
Distribution



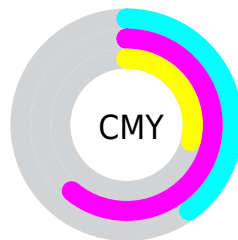
- Red (60%)
- Green (39%)
- Blue (71%)



- Red (60%)
- Yellow (39%)
- Blue (71%)



- Cyan (16%)
- Magenta (45%)
- Yellow (0%)
- Black (29%)





- Cyan (40%)
- Magenta (61%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 50.625, 315.934 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 51, 50.625, 315.934 by changing the saturation by 10% instead.


 51, 50.625,
315.934


 51, 50.625,
315.934


 100, 50.625,
315.934


 41, 50.625,
315.934


 71, 50.625,
315.934

 31, 50.625,
315.934

 81, 50.625,
315.934

 21, 50.625,
315.934

 91, 50.625,
315.934

 11, 50.625,
315.934

 1, 50.625, 315.934

 0, 50.625, 315.934

51, 50.625,
315.934

51, 50.625,
315.934

46, 61.599,
316.298

56, 39.295,
315.514

42, 71.809,
316.557

61, 27.893,
315.071

38, 80.707,
316.647

66, 16.596,
314.629

35, 87.670,
316.492

71, 5.509, 314.188

77, 5.310, 133.848

33, 92.198,
316.023

82, 15.832,
133.463

32, 93.923,
315.737

87, 26.049,
133.126

93, 35.961,
132.823

■ 95, 40.450,
131.287

Harmonies

Complementary

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



51, 50.625, 315.934



69, 48.586, 131.867

Rectangle

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



51, 50.625, 315.934



51, 50.625, 5.934



51, 50.625, 135.934



51, 50.625, 185.934

Sweetspot

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



51, 50.623, 315.934



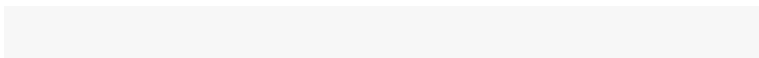
85, 19.124, 314.593



54, 30.871, 276.303



44, 13.341, 314.687



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



51, 50.623, 315.934



60, 74.928, 316.294



54, 49.254, 331.006



36, 6.252, 314.379



27, 83.563, 315.863



2, 16.436, 310.159

Inverse Universe

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



53, 36.459, 357.795



63, 53.866, 359.678



68, 49.365, 144.609



36, 4.445, 353.155



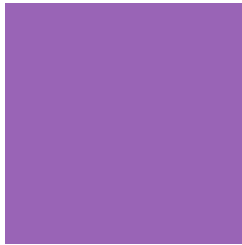
32, 59.158, 15.322



2, 11.416, 358.892

Previews

White Background



This preview shows how the CIELCh color 51, 50.625, 315.934 looks on a white background.

Color Contrast Check

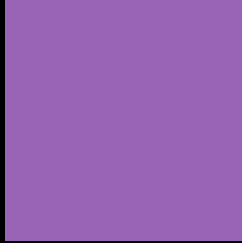
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 50.625, 315.934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

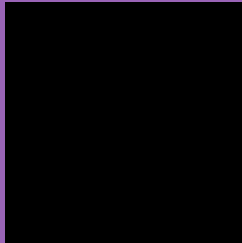
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 50.625, 315.934

Background



This preview shows how black text looks on a background with the CIELCh color 51, 50.625, 315.934.

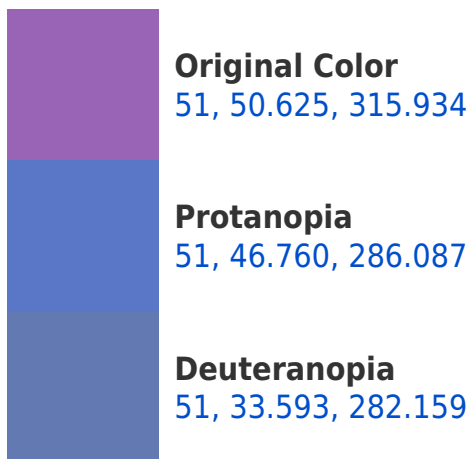


This preview shows how white text looks on a background with the CIELCh color 51, 50.625, 315.934.

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
51, 13.130, 0.377

Trichromacy



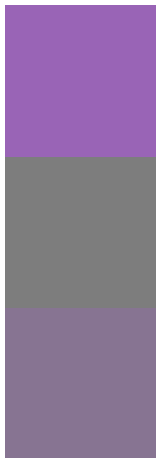
Original Color
51, 50.625, 315.934

Protanomaly
51, 47.249, 296.215

Deuteranomaly
51, 38.636, 297.249

Tritanomaly
51, 25.032, 328.077

Monochromacy



Original Color
51, 50.625, 315.934

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 18.973, 314.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 50.625, 315.934 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(153, 100, 182)` looks like.

```
.text, #text, p{  
    color:rgb(153, 100, 182)  
}
```

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(153, 100, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 100, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 50.625, 315.934 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(153, 100, 182) }
```

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

```
.border{ border-color:rgb(153, 100, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 100, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 100, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 100, 182);  
box-shadow:4px 4px 4px 4px rgb(153, 100,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 50.625, 315.934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 100, 182) }
```

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

```
.background{ background-color: rgb(153,  
100, 182) }
```

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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