

Converting Colors

CIELCh(51, 54.625, 312.688)

Have a look what the booklet for
CIELCh(51, 54.625, 312.688)
contains.

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Color

CIELCh(51, 54.994, 312.666)

Conversions

Conversions Part 1

Format	Color
Hex	9564BF
RGB	149, 100, 191
RGB Percent	58%, 39%, 75%
CMY	0.4156, 0.6078, 0.2509
CMYK	0.22, 0.48, 0.00, 0.25
HSL	272°, 42%, 57%
HSV	272°, 48%, 75%
XYZ	26.3594, 19.2686, 51.6262
YIQ	125.0250, -0.0070, 38.6890

Conversions

Conversions Part 2

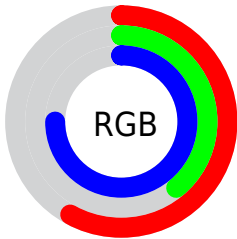
Format	Color
R _{YB}	149, 100, 191
Decimal	9790655
CIE _{Lab}	51.00, 37.27, -40.44
CIE _{LCh}	51, 54.994, 312.666
Y _{xy}	19.2686, 0.2710, 0.1981
Android (android.graphics.Color)	4287980735 (0xFF9564BF)
YUV	125.0250, 32.5257, 21.0261
Hunter-Lab	43.8960, 30.3707, -39.0039

Details

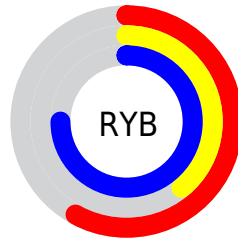
The CIELCh color **51, 54.994, 312.666** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **72, 51.651, 128.216**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 55.108, 312.694**, and **31, 55.065, 312.795** is the 20% darker color. If you saturate the color by 10%, you get **46, 66.487, 313.110**, and if you desaturate by 10%, it is **56, 43.214, 312.172**.

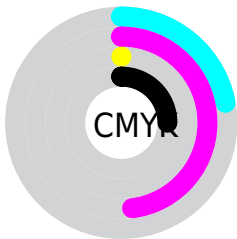
Distribution



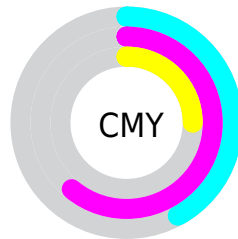
- Red (58%)
- Green (39%)
- Blue (75%)



- Red (58%)
- Yellow (39%)
- Blue (75%)



- Cyan (22%)
- Magenta (48%)
- Yellow (0%)
- Black (25%)



- Cyan (42%)
- Magenta (61%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 54.994, 312.666 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, 54.994, 312.666 by changing the saturation by 10% instead.

■ 51, 54.994,
312.666

■ 51, 54.994,
312.666

■ 100, 54.994,
312.666

■ 41, 54.994,
312.666

■ 71, 54.994,
312.666

■ 31, 54.994,
312.666

■ 81, 54.994,
312.666

■ 21, 54.994,
312.666

■ 91, 54.994,
312.666

■ 11, 54.994,
312.666

■ 1, 54.994, 312.666

■ 0, 54.994, 312.666

51, 54.994,
312.666

51, 54.994,
312.666

46, 66.487,
313.110

56, 43.214,
312.172

41, 77.250,
313.444

62, 31.435,
311.668

37, 86.651,
313.583

67, 19.824,
311.179

34, 93.937,
313.427

73, 8.475, 310.712

31, 98.632,
312.909


79, 2.567, 130.355

31, 99.607,
312.782

84, 13.283,
129.935

90, 23.672,
129.590

96, 33.741,
129.286

 97, 33.858,
124.842

Harmonies

Complementary

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



51, 54.994, 312.666



72, 51.651, 128.216

Rectangle

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



51, 54.994, 312.666



51, 54.994, 2.666



51, 54.994, 132.666



51, 54.994, 182.666

Sweetspot

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



51, 54.993, 312.666



88, 19.322, 311.017



58, 29.784, 267.766



46, 13.486, 311.120



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



51, 54.993, 312.666



59, 81.094, 313.120



56, 57.648, 327.899



37, 6.238, 310.790



25, 86.476, 312.942



2, 18.199, 306.334

Inverse Universe

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



54, 41.914, 351.024



64, 60.817, 352.766



70, 57.925, 141.497



37, 4.855, 346.530



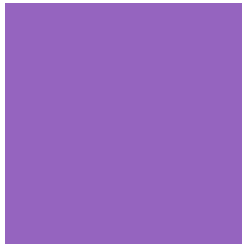
33, 59.086, 5.080



3, 13.668, 353.852

Previews

White Background



This preview shows how the CIELCh color 51, 54.994, 312.666 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 51, 54.994, 312.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

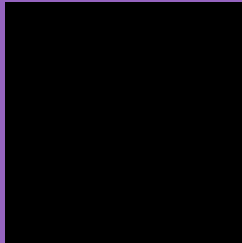
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 54.994, 312.666

Background



This preview shows how black text looks on a background with the CIELCh color 51, 54.994, 312.666.

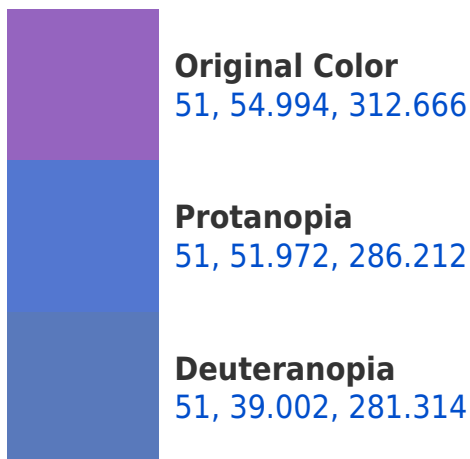


This preview shows how white text looks on a background with the CIELCh color 51, 54.994, 312.666.

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, 10.329, 350.269

Trichromacy



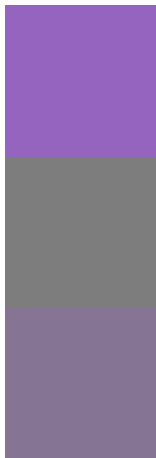
Original Color
51, 54.994, 312.666

Protanomaly
51, 52.387, 294.893

Deuteranomaly
50, 43.768, 294.705

Tritanomaly
51, 25.777, 320.566

Monochromacy



Original Color
51, 54.994, 312.666

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 20.457, 311.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 54.994, 312.666 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(149, 100, 191)` looks like.

```
.text, #text, p{  
    color:rgb(149, 100, 191)  
}
```

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(149, 100, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 100, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 54.994, 312.666 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(149, 100, 191) }
```

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

```
.border{ border-color:rgb(149, 100, 191) }
```

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

Here you see how a box with a 4 pixel rgb(149, 100, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 100, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 100, 191);  
box-shadow:4px 4px 4px 4px rgb(149, 100,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 54.994, 312.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 100, 191) }
```

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

```
.background{ background-color: rgb(149,  
100, 191) }
```

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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