

Converting Colors

CIELCh(51, 65.006, 324.162)

Have a look what the booklet for
CIELCh(51, 65.006, 324.162)
contains.

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Color

CIELCh(51, 64.842, 324.256)

Conversions

Conversions Part 1

Format	Color
Hex	B154BB
RGB	177, 84, 187
RGB Percent	69%, 33%, 73%
CMY	0.3060, 0.6707, 0.2667
CMYK	0.05, 0.55, 0.00, 0.27
HSL	294°, 43%, 53%
HSV	294°, 55%, 73%
XYZ	30.2621, 19.2686, 49.1258
YIQ	123.5490, 22.3650, 51.7490

Conversions

Conversions Part 2

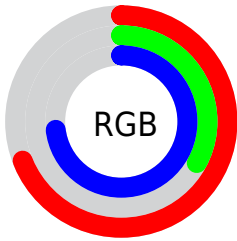
Format	Color
R_{YB}	177, 84, 187
Decimal	11621563
CIE _{Lab}	51.00, 52.63, -37.88
CIE _{LCh}	51, 64.842, 324.256
Yxy	19.2686, 0.3067, 0.1953
Android (android.graphics.Color)	4289811643 (0xFFB154BB)
YUV	123.5490, 31.2813, 46.8765
Hunter-Lab	43.8960, 46.2407, -35.6265

Details

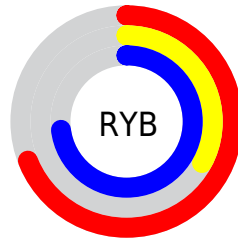
The CIELCh color **51, 64.842, 324.256** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **68, 64.601, 137.933**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 64.845, 324.223**, and **31, 64.849, 324.450** is the 20% darker color. If you saturate the color by 10%, you get **48, 74.394, 324.532**, and if you desaturate by 10%, it is **55, 54.019, 323.891**.

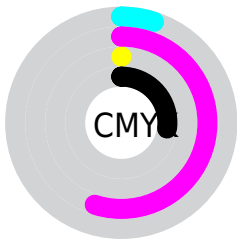
Distribution



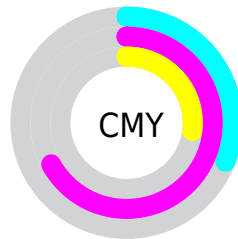
- Red (69%)
- Green (33%)
- Blue (73%)



- Red (69%)
- Yellow (33%)
- Blue (73%)



- Cyan (5%)
- Magenta (55%)
- Yellow (0%)
- Black (27%)





- Cyan (31%)
- Magenta (67%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 64.842, 324.256 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, 64.842, 324.256 by changing the saturation by 10% instead.


 51, 64.842,
324.256


 51, 64.842,
324.256


 100, 64.842,
324.256


 41, 64.842,
324.256


 71, 64.842,
324.256

 31, 64.842,
324.256

 81, 64.842,
324.256

 21, 64.842,
324.256

 91, 64.842,
324.256

 11, 64.842,
324.256

 1, 64.842, 324.256

 0, 64.842, 324.256

51, 64.842,
324.256

51, 64.842,
324.256

48, 74.394,
324.532

55, 54.019,
323.891

45, 82.181,
324.689

59, 42.398,
323.465

43, 87.785,
324.705

64, 30.361,
322.999

42, 91.028,
324.564

68, 18.193,
322.513


41, 92.121,
324.463

73, 6.092, 322.004

78, 5.813, 141.603

83, 17.445,
141.118

89, 28.760,
140.675

 94, 39.740,
140.261

Harmonies

Complementary

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



51, 64.842, 324.256



68, 64.601, 137.933

Rectangle

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



51, 64.842, 324.256



51, 64.842, 14.256



51, 64.842, 144.256



51, 64.842, 194.256

Sweetspot

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



51, 64.840, 324.256



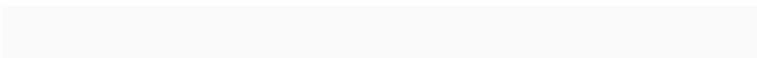
85, 25.333, 322.620



44, 55.371, 294.657



44, 17.097, 322.719



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



51, 64.840, 324.256



61, 92.417, 324.573



51, 50.666, 343.808



37, 6.861, 322.227



35, 81.362, 324.509



3, 20.453, 321.204

Inverse Universe

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



49, 44.929, 19.123



58, 67.147, 22.574



69, 49.473, 152.969



37, 4.122, 12.081



33, 69.053, 35.441



3, 12.326, 13.827

Previews

White Background



This preview shows how the CIELCh color 51, 64.842, 324.256 looks on a white background.

Color Contrast Check

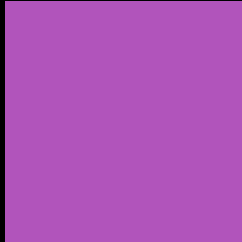
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.842, 324.256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

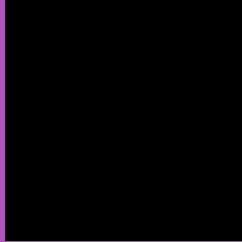
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 64.842, 324.256

Background



This preview shows how black text looks on a background with the CIELCh color 51, 64.842, 324.256.

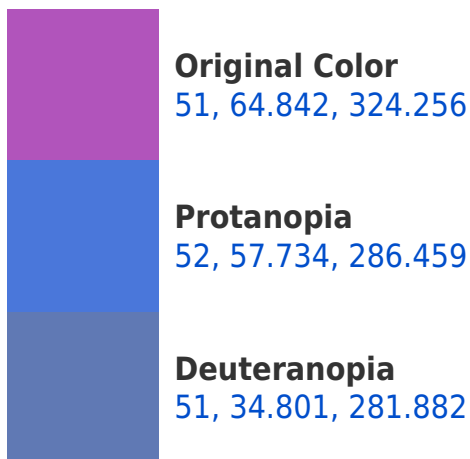


This preview shows how white text looks on a background with the CIELCh color 51, 64.842, 324.256.

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, 27.043, 14.469

Trichromacy



Original Color
51, 64.842, 324.256



Protanomaly
50, 58.991, 298.489



Deuteranomaly
50, 44.306, 302.450



Tritanomaly
51, 37.056, 344.116

Monochromacy



Original Color
51, 64.842, 324.256



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 25.659, 322.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 64.842, 324.256 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(177, 84, 187)` looks like.

```
.text, #text, p{  
    color:rgb(177, 84, 187)  
}
```

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(177, 84, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 84, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 64.842, 324.256 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(177, 84, 187) }
```

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

```
.border{ border-color:rgb(177, 84, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 84, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 84, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 84, 187);  
box-shadow:4px 4px 4px 4px rgb(177, 84,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 64.842, 324.256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 84, 187) }
```

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

```
.background{ background-color: rgb(177, 84,  
187) }
```

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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