

Converting Colors

CIELCh(50, 51.309, 306.351)

Have a look what the booklet for
CIELCh(50, 51.309, 306.351)
contains.

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Color

CIELCh(50, 51.746, 306.548)

Conversions

Conversions Part 1

Format	Color
Hex	8567BE
RGB	133, 103, 190
RGB Percent	52%, 40%, 75%
CMY	0.4782, 0.5959, 0.2547
CMYK	0.30, 0.46, 0.00, 0.25
HSL	261°, 40%, 57%
HSV	261°, 46%, 75%
XYZ	23.8336, 18.4187, 51.0409
YIQ	121.8880, -10.0470, 33.4170

Conversions

Conversions Part 2

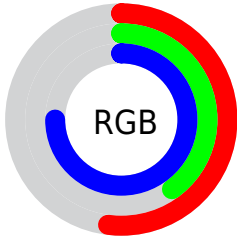
Format	Color
R_{YB}	133, 103, 190
Decimal	8742846
CIE _{Lab}	50.00, 30.81, -41.57
CIE _{LCh}	50, 51.746, 306.548
Yxy	18.4187, 0.2555, 0.1974
Android (android.graphics.Color)	4286932926 (0xFF8567BE)
YUV	121.8880, 33.5792, 9.7452
Hunter-Lab	42.9170, 24.0238, -40.4714

Details

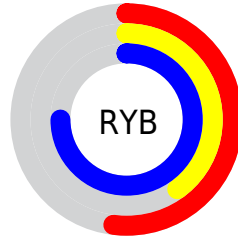
The CIELCh color $50, 51.746, 306.548$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $73, 47.207, 121.045$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 51.609, 306.369$, and $30, 51.788, 306.539$ is the 20% darker color. If you saturate the color by 10%, you get $44, 63.660, 307.355$, and if you desaturate by 10%, it is $56, 39.900, 305.763$.

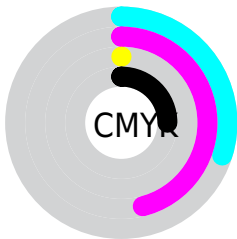
Distribution



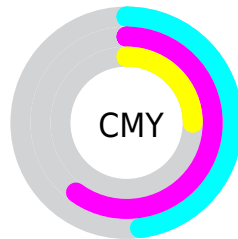
- Red (52%)
- Green (40%)
- Blue (75%)



- Red (52%)
- Yellow (40%)
- Blue (75%)



- Cyan (30%)
- Magenta (46%)
- Yellow (0%)
- Black (25%)





- Cyan (48%)
- Magenta (60%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 51.746, 306.548 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 50, 51.746, 306.548 by changing the saturation by 10% instead.


 50, 51.746,
306.548


 50, 51.746,
306.548


 100, 51.746,
306.548


 40, 51.746,
306.548


 70, 51.746,
306.548

 30, 51.746,
306.548


 80, 51.746,
306.548


 20, 51.746,
306.548

 90, 51.746,
306.548

 10, 51.746,
306.548

 0, 51.746, 306.548

 50, 51.746,
306.548

 50, 51.746,
306.548

44, 63.660,
307.355

56, 39.900,
305.763

39, 75.297,
308.124

62, 28.304,
305.033

34, 86.052,
308.755

68, 17.040,
304.370

30, 95.015,
309.103

74, 6.141, 303.774

27, 101.179,
309.012

79, 4.391, 123.279

26, 103.293,
308.937

85, 14.564,
122.816

91, 24.395,
122.421

97, 33.856,
122.049

98, 32.933,
114.233

Harmonies

Complementary

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



50, 51.746, 306.548



73, 47.207, 121.045

Rectangle

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



50, 51.746, 306.548



50, 51.746, 356.548



50, 51.746, 126.548



50, 51.746, 176.548

Sweetspot

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



50, 51.745, 306.548



87, 18.678, 304.273



63, 23.612, 241.990



45, 13.048, 304.410



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



50, 51.745, 306.548



58, 77.757, 307.364



55, 54.833, 321.795



37, 6.020, 303.980



21, 89.988, 309.075



1, 17.732, 300.156

Inverse Universe

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



55, 44.961, 339.889



66, 65.503, 340.959



71, 54.067, 137.060



37, 5.548, 336.783



35, 63.007, 348.001



3, 15.497, 342.411

Previews

White Background



This preview shows how the CIELCh color 50, 51.746, 306.548 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 50, 51.746, 306.548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

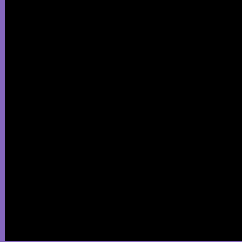
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 51.746, 306.548

Background



This preview shows how black text looks on a background with the CIELCh color 50, 51.746, 306.548.



This preview shows how white text looks on a background with the CIELCh color 50, 51.746, 306.548.

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

50, 51.746, 306.548

Protanopia

50, 50.445, 286.282

Deuteranopia

50, 40.386, 280.731



Tritanopia
50, 5.417, 303.415

Trichromacy



Original Color
50, 51.746, 306.548

Protanomaly
50, 50.813, 293.203

Deuteranomaly
50, 43.876, 290.998

Tritanomaly
50, 22.218, 304.217

Monochromacy



Original Color
50, 51.746, 306.548

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 19.240, 304.691

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 51.746, 306.548 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(133, 103, 190)` looks like.

```
.text, #text, p{  
    color:rgb(133, 103, 190)  
}
```

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(133, 103, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 103, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 51.746, 306.548 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(133, 103, 190) }
```

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

```
.border{ border-color:rgb(133, 103, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 103, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 103, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 103, 190);  
box-shadow:4px 4px 4px 4px rgb(133, 103,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 51.746, 306.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 103, 190) }
```

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

```
.background{ background-color: rgb(133,  
103, 190) }
```

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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