

Converting Colors

CIELCh(50, 51.803, 305.306)

Have a look what the booklet for
CIELCh(50, 51.803, 305.306)
contains.

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Color

CIELCh(50, 51.547, 305.126)

Conversions

Conversions Part 1

Format	Color
Hex	8268BF
RGB	130, 104, 191
RGB Percent	51%, 41%, 75%
CMY	0.4901, 0.5920, 0.2508
CMYK	0.32, 0.46, 0.00, 0.25
HSL	258°, 40%, 58%
HSV	258°, 46%, 75%
XYZ	23.5725, 18.4187, 51.6238
YIQ	121.6920, -12.4310, 32.5690

Conversions

Conversions Part 2

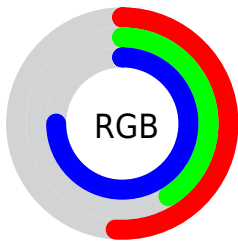
Format	Color
R _Y B	130, 104, 191
Decimal	8546495
CIE Lab	50.00, 29.66, -42.16
CIE LCh	50, 51.547, 305.126
Yxy	18.4187, 0.2518, 0.1967
Android (android.graphics.Color)	4286736575 (0xFF8268BF)
YUV	121.6920, 34.1688, 7.2861
Hunter-Lab	42.9170, 22.9378, -41.2766

Details

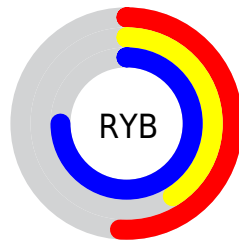
The CIELCh color $50, 51.547, 305.126$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $74, 46.741, 119.173$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 51.366, 304.955$, and $30, 51.701, 305.181$ is the 20% darker color. If you saturate the color by 10%, you get $44, 63.600, 306.051$, and if you desaturate by 10%, it is $56, 39.628, 304.245$.

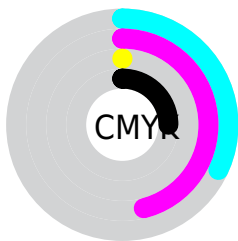
Distribution



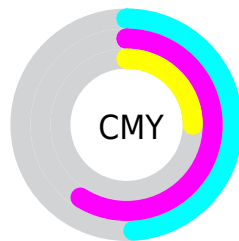
- Red (51%)
- Green (41%)
- Blue (75%)



- Red (51%)
- Yellow (41%)
- Blue (75%)



- Cyan (32%)
- Magenta (46%)
- Yellow (0%)
- Black (25%)





- Cyan (49%)
- Magenta (59%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 51.547, 305.126 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, 51.547, 305.126 by changing the saturation by 10% instead.


 50, 51.547,
305.126


 50, 51.547,
305.126


 100, 51.547,
305.126


 40, 51.547,
305.126


 70, 51.547,
305.126

 30, 51.547,
305.126


 80, 51.547,
305.126


 20, 51.547,
305.126

 90, 51.547,
305.126

 10, 51.547,
305.126

 0, 51.547, 305.126

 50, 51.547,
305.126

 50, 51.547,
305.126

44, 63.600,
306.051

56, 39.628,
304.245

39, 75.459,
306.960

62, 28.005,
303.437

34, 86.520,
307.747

68, 16.747,
302.713

30, 95.830,
308.257

74, 5.872, 302.070

80, 4.622, 121.530

27, 102.269,
308.313

86, 14.750,
121.038

26, 104.555,
308.290

92, 24.531,
120.617

97, 32.964,
119.469

98, 32.250,
110.712

Harmonies

Complementary

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



50, 51.547, 305.126



74, 46.741, 119.173

Rectangle

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



50, 51.547, 305.126



50, 51.547, 355.126



50, 51.547, 125.126



50, 51.547, 175.126

Sweetspot

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



50, 51.546, 305.126



87, 18.564, 302.624



65, 23.217, 234.588



45, 12.970, 302.773



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, 51.546, 305.126



57, 77.704, 306.082



55, 54.329, 320.242



37, 5.981, 302.306



20, 90.735, 308.420



1, 17.665, 298.904

Inverse Universe

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



56, 46.296, 337.697



66, 67.435, 338.668



71, 53.212, 135.781



37, 5.733, 334.838



35, 64.771, 344.543



3, 16.097, 339.734

Previews

White Background



This preview shows how the CIELCh color 50, 51.547, 305.126 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 50, 51.547, 305.126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

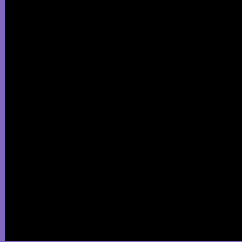
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 51.547, 305.126

Background



This preview shows how black text looks on a background with the CIELCh color 50, 51.547, 305.126.



This preview shows how white text looks on a background with the CIELCh color 50, 51.547, 305.126.

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, 51.547, 305.126

Protanopia

50, 50.445, 286.282

Deuteranopia

50, 41.026, 280.418



Tritanopia
50, 5.864, 287.151

Trichromacy



Original Color
50, 51.547, 305.126

Protanomaly
50, 50.219, 292.160

Deuteranomaly
50, 43.872, 289.886

Tritanomaly
50, 22.609, 301.229

Monochromacy



Original Color
50, 51.547, 305.126

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 19.166, 303.600

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 51.547, 305.126 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(130, 104, 191)` looks like.

```
.text, #text, p{  
    color:rgb(130, 104, 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(130, 104, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 104, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 51.547, 305.126 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(130, 104, 191) }
```

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

```
.border{ border-color:rgb(130, 104, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 104, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 104, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 104, 191);  
box-shadow:4px 4px 4px 4px rgb(130, 104,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 51.547, 305.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 104, 191) }
```

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

```
.background{ background-color: rgb(130,  
104, 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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