

Converting Colors

CIELCh(50, 16.490, 321.594)

Have a look what the booklet for
CIELCh(50, 16.490, 321.594)
contains.

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Color

CIELCh(50, 16.302, 321.802)

Conversions

Conversions Part 1

Format	Color
Hex	857088
RGB	133, 112, 136
RGB Percent	52%, 44%, 53%
CMY	0.4776, 0.5600, 0.4659
CMYK	0.02, 0.18, 0.00, 0.47
HSL	293°, 10%, 49%
HSV	293°, 18%, 53%
XYZ	19.9796, 18.4187, 25.8708
YIQ	121.0150, 4.8120, 11.9160

Conversions

Conversions Part 2

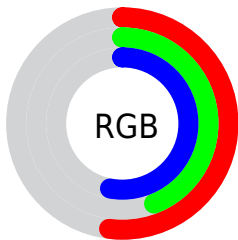
Format	Color
R_{YB}	133, 112, 136
Decimal	8745096
CIE Lab	50.00, 12.81, -10.08
CIE LCh	50, 16.302, 321.802
Yxy	18.4187, 0.3109, 0.2866
Android (android.graphics.Color)	4286935176 (0xFF857088)
YUV	121.0150, 7.3876, 10.5108
Hunter-Lab	42.9170, 7.9945, -5.6988

Details

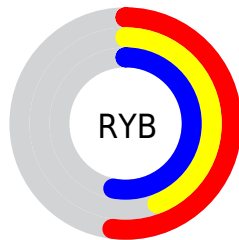
The CIELCh color $50, 16.302, 321.802$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $55, 16.216, 140.112$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 15.970, 321.758$, and $30, 16.200, 321.769$ is the 20% darker color. If you saturate the color by 10%, you get $46, 25.634, 322.261$, and if you desaturate by 10%, it is $54, 7.005, 321.328$.

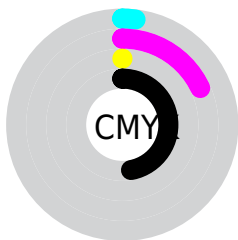
Distribution



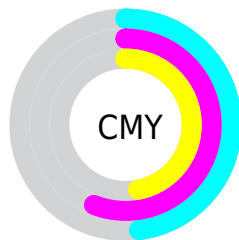
- Red (52%)
- Green (44%)
- Blue (53%)



- Red (52%)
- Yellow (44%)
- Blue (53%)



- Cyan (2%)
- Magenta (18%)
- Yellow (0%)
- Black (47%)





- Cyan (48%)
- Magenta (56%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 16.302, 321.802 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, 16.302, 321.802 by changing the saturation by 10% instead.


 50, 16.302,
321.802


 50, 16.302,
321.802


 100, 16.302,
321.802


 40, 16.302,
321.802


 70, 16.302,
321.802

 30, 16.302,
321.802


 80, 16.302,
321.802


 20, 16.302,
321.802

 90, 16.302,
321.802

 10, 16.302,
321.802

 0, 16.302, 321.802

 50, 16.302,
321.802

 50, 16.302,
321.802

46, 25.634,
322.261

54, 7.005, 321.328

43, 34.857,
322.698

58, 2.154, 140.980

39, 43.757,
323.095

62, 11.117,
140.478

36, 52.047,
323.427

66, 19.849,
140.055

34, 59.380,
323.667

70, 28.335,
139.658

32, 65.381,
323.784

74, 36.571,
139.289

30, 69.733,
323.750

78, 44.560,
138.946

29, 72.530,
323.575

82, 52.310,
138.629

29, 73.162,

86, 59.831,
138.338

323.534

Harmonies

Complementary

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



50, 16.302, 321.802



55, 16.216, 140.112

Rectangle

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



50, 16.302, 321.802



50, 16.302, 11.802



50, 16.302, 141.802



50, 16.302, 191.802

Sweetspot

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



50, 16.300, 321.802



69, 5.653, 321.201



49, 12.259, 286.194



36, 3.889, 321.233



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 16.300, 321.802



62, 23.983, 321.979



50, 13.097, 338.371



27, 5.238, 321.403



28, 71.752, 323.545



0, 2.414, 321.003

Inverse Universe

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



50, 10.116, 10.683



61, 15.025, 11.108



55, 12.956, 155.803



27, 3.187, 9.821



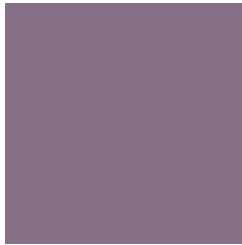
27, 59.169, 33.037



0, 1.441, 9.128

Previews

White Background



This preview shows how the CIELCh color 50, 16.302, 321.802 looks on a white 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

Black Background



This preview shows how the CIE LCh color 50, 16.302, 321.802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

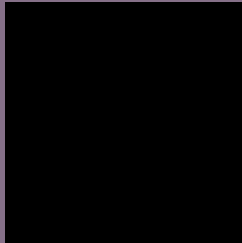
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 16.302, 321.802

Background



This preview shows how black text looks on a background with the CIELCh color 50, 16.302, 321.802.



This preview shows how white text looks on a background with the CIELCh color 50, 16.302, 321.802.

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, 16.302, 321.802

Protanopia

50, 12.901, 286.894

Deuteranopia

50, 11.497, 305.081



Tritanopia
50, 8.666, 343.096

Trichromacy



Original Color
50, 16.302, 321.802

Protanomaly
50, 13.709, 301.390

Deuteranomaly
50, 12.656, 313.083

Tritanomaly
50, 11.617, 331.756

Monochromacy



Original Color
50, 16.302, 321.802

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 5.976, 318.412

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 16.302, 321.802 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, 112, 136)` looks like.

```
.text, #text, p{  
    color:rgb(133, 112, 136)  
}
```

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, 112, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 112, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 16.302, 321.802 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, 112, 136) }
```

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

```
.border{ border-color:rgb(133, 112, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 112, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 112, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 112, 136);  
box-shadow:4px 4px 4px 4px rgb(133, 112,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 16.302, 321.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 112, 136) }
```

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

```
.background{ background-color: rgb(133,  
112, 136) }
```

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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