

Converting Colors

CIELCh(50, 32.350, 309.701)

Have a look what the booklet for
CIELCh(50, 32.350, 309.701)
contains.

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Color

CIELCh(50, 32.408, 309.720)

Conversions

Conversions Part 1

Format	Color
Hex	856CA1
RGB	133, 108, 161
RGB Percent	52%, 42%, 63%
CMY	0.4768, 0.5749, 0.3669
CMYK	0.17, 0.33, 0.00, 0.37
HSL	268°, 22%, 53%
HSV	268°, 33%, 63%
XYZ	21.6148, 18.4187, 36.3323
YIQ	121.5170, -2.1130, 21.7830

Conversions

Conversions Part 2

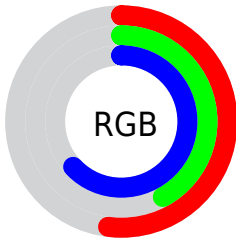
Format	Color
R_{YB}	133, 108, 161
Decimal	8744097
CIE _{Lab}	50.00, 20.71, -24.93
CIE _{LCh}	50, 32.408, 309.720
Yxy	18.4187, 0.2830, 0.2412
Android (android.graphics.Color)	4286934177 (0xFF856CA1)
YUV	121.5170, 19.4651, 10.0706
Hunter-Lab	42.9170, 14.7954, -20.1514

Details

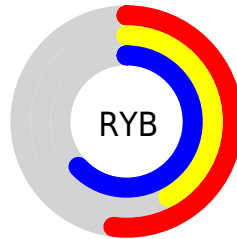
The CIELCh color $50, 32.408, 309.720$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $63, 30.876, 126.548$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 32.220, 309.714$, and $30, 32.412, 309.589$ is the 20% darker color. If you saturate the color by 10%, you get $45, 42.700, 310.287$, and if you desaturate by 10%, it is $55, 22.259, 309.173$.

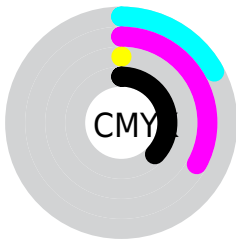
Distribution



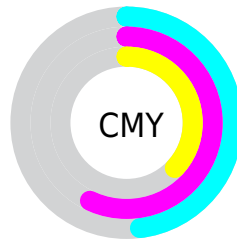
- Red (52%)
- Green (42%)
- Blue (63%)



- Red (52%)
- Yellow (42%)
- Blue (63%)



- Cyan (17%)
- Magenta (33%)
- Yellow (0%)
- Black (37%)





- Cyan (48%)
- Magenta (57%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 32.408, 309.720 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, 32.408, 309.720 by changing the saturation by 10% instead.


 50, 32.408,
309.720


 50, 32.408,
309.720


 100, 32.408,
309.720


 40, 32.408,
309.720


 70, 32.408,
309.720

 30, 32.408,
309.720


 80, 32.408,
309.720


 20, 32.408,
309.720

 90, 32.408,
309.720

 10, 32.408,
309.720

 0, 32.408, 309.720

 50, 32.408,
309.720

 50, 32.408,
309.720

45, 42.700,
310.287

55, 22.259,
309.173

40, 52.976,
310.845

60, 12.343,
308.660

36, 62.956,
311.347

65, 2.701, 308.168

70, 6.650, 127.797

32, 72.197,
311.720

75, 15.711,
127.417

28, 80.073,
311.861

80, 24.488,
127.086

26, 85.872,
311.655

85, 32.993,
126.798

24, 89.081,
311.390

90, 41.238,
126.547

95, 49.238,
126.329

Harmonies

Complementary

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



50, 32.408, 309.720



63, 30.876, 126.548

Rectangle

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



50, 32.408, 309.720



50, 32.408, 359.720



50, 32.408, 129.720



50, 32.408, 179.720

Sweetspot

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



50, 32.407, 309.720



78, 11.815, 308.529



56, 16.831, 256.761



40, 8.059, 308.593



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



50, 32.407, 309.720



60, 47.846, 310.109



53, 35.813, 325.219



32, 5.455, 308.485



21, 82.408, 311.490



1, 8.313, 306.490

Inverse Universe

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



52, 26.321, 345.101



63, 38.528, 345.874



62, 35.758, 141.371



32, 4.500, 342.856



31, 56.197, 358.525



1, 6.698, 344.823

Previews

White Background



This preview shows how the CIELCh color 50, 32.408, 309.720 looks on a white background.

Color Contrast Check

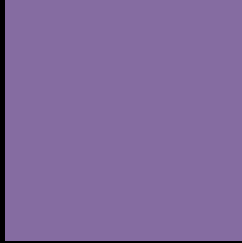
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 50, 32.408, 309.720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

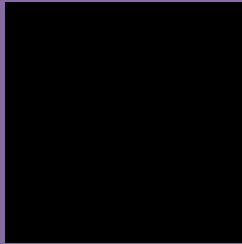
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 32.408, 309.720

Background



This preview shows how black text looks on a background with the CIELCh color 50, 32.408, 309.720.



This preview shows how white text looks on a background with the CIELCh color 50, 32.408, 309.720.

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

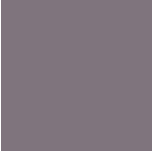
50, 32.408, 309.720

Protanopia

50, 30.001, 285.291

Deuteranopia

50, 25.249, 286.461



Tritanopia
50, 6.888, 330.377

Trichromacy



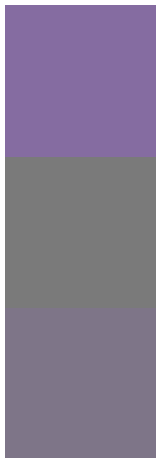
Original Color
50, 32.408, 309.720

Protanomaly
50, 30.469, 293.996

Deuteranomaly
50, 27.596, 295.774

Tritanomaly
50, 15.957, 314.540

Monochromacy



Original Color
50, 32.408, 309.720

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 11.686, 308.770

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 32.408, 309.720 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, 108, 161)` looks like.

```
.text, #text, p{  
    color:rgb(133, 108, 161)  
}
```

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, 108, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 108, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 32.408, 309.720 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, 108, 161) }
```

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

```
.border{ border-color:rgb(133, 108, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 108, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 108, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 108, 161);  
box-shadow:4px 4px 4px 4px rgb(133, 108,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 32.408, 309.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 108, 161) }
```

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

```
.background{ background-color: rgb(133,  
108, 161) }
```

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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