

Converting Colors

CIELCh(50, 19.077, 313.350)

Have a look what the booklet for
CIELCh(50, 19.077, 313.350)
contains.

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Color

CIELCh(50, 19.484, 312.753)

Conversions

Conversions Part 1

Format	Color
Hex	82708F
RGB	130, 112, 143
RGB Percent	51%, 44%, 56%
CMY	0.4890, 0.5596, 0.4380
CMYK	0.09, 0.22, 0.00, 0.44
HSL	275°, 12%, 50%
HSV	275°, 22%, 56%
XYZ	20.0634, 18.4187, 28.6099
YIQ	120.9160, 0.7770, 13.4570

Conversions

Conversions Part 2

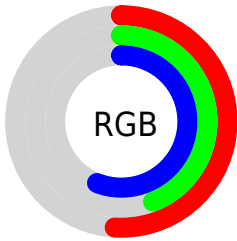
Format	Color
R_{YB}	130, 112, 143
Decimal	8548495
CIE _{Lab}	50.00, 13.23, -14.31
CIE _{LCh}	50, 19.484, 312.753
Yxy	18.4187, 0.2990, 0.2745
Android (android.graphics.Color)	4286738575 (0xFF82708F)
YUV	120.9160, 10.8874, 7.9667
Hunter-Lab	42.9170, 8.3431, -9.4829

Details

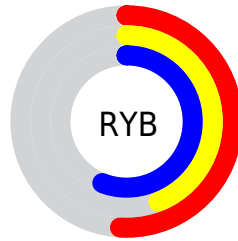
The CIELCh color $50, 19.484, 312.753$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 19.031, 130.910$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 19.431, 312.387$, and $30, 19.739, 312.177$ is the 20% darker color. If you saturate the color by 10%, you get $46, 28.768, 313.214$, and if you desaturate by 10%, it is $54, 10.357, 312.305$.

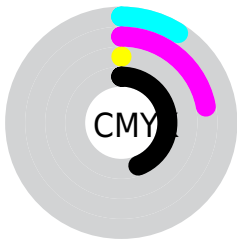
Distribution



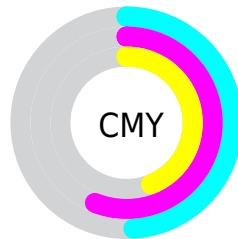
- Red (51%)
- Green (44%)
- Blue (56%)



- Red (51%)
- Yellow (44%)
- Blue (56%)



- Cyan (9%)
- Magenta (22%)
- Yellow (0%)
- Black (44%)





- Cyan (49%)
- Magenta (56%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 19.484, 312.753 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, 19.484, 312.753 by changing the saturation by 10% instead.


 50, 19.484,
312.753


 50, 19.484,
312.753


 100, 19.484,
312.753


 40, 19.484,
312.753


 70, 19.484,
312.753

 30, 19.484,
312.753


 80, 19.484,
312.753


 20, 19.484,
312.753

 90, 19.484,
312.753

 10, 19.484,
312.753

 0, 19.484, 312.753

 50, 19.484,
312.753

 50, 19.484,
312.753

46, 28.768,
313.214

54, 10.357,
312.305

41, 38.114,
313.674

59, 1.445, 311.824

37, 47.358,
314.106

63, 7.228, 131.536

34, 56.239,
314.469

68, 15.651,
131.181

30, 64.376,
314.702

72, 23.825,
130.868

27, 71.272,
314.728

76, 31.756,
130.589

25, 76.394,
314.462

81, 39.454,
130.342

23, 79.711,
314.112

85, 46.929,
130.125

90, 54.194,
129.935

Harmonies

Complementary

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



50, 19.484, 312.753



57, 19.031, 130.910

Rectangle

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



50, 19.484, 312.753



50, 19.484, 2.753



50, 19.484, 132.753



50, 19.484, 182.753

Sweetspot

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



50, 19.482, 312.752



72, 6.566, 312.063



52, 11.183, 265.390



38, 4.392, 312.088



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



50, 19.482, 312.752



61, 29.126, 312.978



51, 20.695, 327.468



28, 4.995, 312.198



22, 76.348, 314.171



0, 3.337, 311.834

Inverse Universe

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



51, 14.649, 350.235



63, 21.895, 350.776



57, 20.671, 144.901



28, 3.750, 348.981



28, 52.701, 8.366



1, 2.499, 348.237

Previews

White Background



This preview shows how the CIELCh color 50, 19.484, 312.753 looks on a white background.

Color Contrast Check

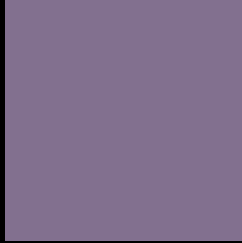
Large Text (above 18pt) WCAG AA ✓ Pass

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, 19.484, 312.753 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, 19.484, 312.753

Background



This preview shows how black text looks on a background with the CIELCh color 50, 19.484, 312.753.



This preview shows how white text looks on a background with the CIELCh color 50, 19.484, 312.753.

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

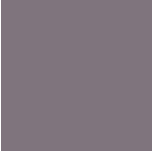
50, 19.484, 312.753

Protanopia

50, 17.049, 285.100

Deuteranopia

50, 15.891, 296.200



Tritanopia
50, 6.888, 330.377

Trichromacy



Original Color
50, 19.484, 312.753

Protanomaly
50, 17.639, 295.978

Deuteranomaly
50, 16.738, 302.499

Tritanomaly
50, 11.226, 318.268

Monochromacy



Original Color
50, 19.484, 312.753

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 6.881, 310.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 19.484, 312.753 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, 112, 143)` looks like.

```
.text, #text, p{  
    color:rgb(130, 112, 143)  
}
```

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, 112, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 112, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 19.484, 312.753 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, 112, 143) }
```

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

```
.border{ border-color:rgb(130, 112, 143) }
```

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

Here you see how a box with a 4 pixel rgb(130, 112, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 112, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 112, 143);  
box-shadow:4px 4px 4px 4px rgb(130, 112,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 19.484, 312.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 112, 143) }
```

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

```
.background{ background-color: rgb(130,  
112, 143) }
```

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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