

Converting Colors

CIELCh(50, 28.915, 346.221)

Have a look what the booklet for
CIELCh(50, 28.915, 346.221)
contains.

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Color

CIELCh(50, 28.986, 346.664)

Conversions

Conversions Part 1

Format	Color
Hex	A06583
RGB	160, 101, 131
RGB Percent	63%, 40%, 51%
CMY	0.3726, 0.6039, 0.4863
CMYK	0.00, 0.37, 0.18, 0.37
HSL	329°, 24%, 51%
HSV	329°, 37%, 63%
XYZ	23.2465, 18.4187, 23.8015
YIQ	122.0610, 25.5340, 21.8380

Conversions

Conversions Part 2

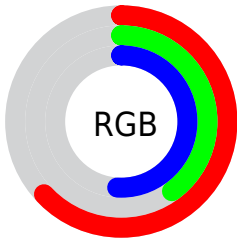
Format	Color
R_{YB}	160, 101, 131
Decimal	10511747
CIE Lab	50.00, 28.20, -6.69
CIE LCh	50, 28.986, 346.664
Yxy	18.4187, 0.3551, 0.2813
Android (android.graphics.Color)	4288701827 (0xFFA06583)
YUV	122.0610, 4.4069, 33.2725
Hunter-Lab	42.9170, 21.5822, -2.8401

Details

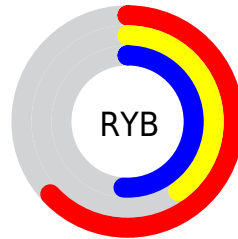
The CIELCh color **50, 28.986, 346.664** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **61, 27.801, 159.729**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 28.964, 346.808**, and **30, 28.749, 346.456** is the 20% darker color. If you saturate the color by 10%, you get **46, 36.623, 347.923**, and if you desaturate by 10%, it is **54, 21.084, 345.570**.

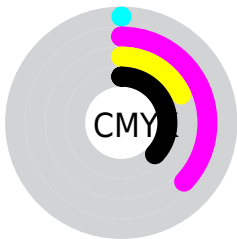
Distribution



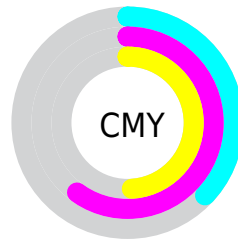
- Red (63%)
- Green (40%)
- Blue (51%)



- Red (63%)
- Yellow (40%)
- Blue (51%)



- Cyan (0%)
- Magenta (37%)
- Yellow (18%)
- Black (37%)



- Cyan (37%)
- Magenta (60%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 28.986, 346.664 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, 28.986, 346.664 by changing the saturation by 10% instead.

 50, 28.986,
346.664

 50, 28.986,
346.664

 100, 28.986,
346.664

 40, 28.986,
346.664

 70, 28.986,
346.664

 30, 28.986,
346.664

 80, 28.986,
346.664

 20, 28.986,
346.664

 90, 28.986,
346.664

 10, 28.986,
346.664

 0, 28.986, 346.664

 50, 28.986,
346.664

 50, 28.986,
346.664

46, 36.623,
347.923

54, 21.084,
345.570

43, 43.702,
349.402

58, 13.140,
344.593

40, 49.847,
351.185

63, 5.294, 343.686

67, 2.366, 163.106

37, 54.670,
353.386

72, 9.796, 162.275

36, 57.876,
356.150

76, 16.976,
161.595

34, 59.511,
359.582

81, 23.904,
160.973

34, 59.959, 0.698

86, 30.587,
160.399

90, 37.039,
159.865

Harmonies

Complementary

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



50, 28.986, 346.664



61, 27.801, 159.729

Rectangle

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



50, 28.986, 346.664



50, 28.986, 36.664



50, 28.986, 166.664



50, 28.986, 216.664

Sweetspot

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



50, 28.984, 346.665



78, 10.589, 344.078



48, 36.328, 310.320



40, 7.110, 344.190



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, 28.984, 346.665



61, 42.835, 347.653



49, 25.720, 21.481



31, 4.325, 343.901



30, 55.224, 0.259



1, 5.498, 344.615

Inverse Universe

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



50, 28.984, 346.665



61, 42.835, 347.653



62, 20.136, 196.069



31, 4.325, 343.901



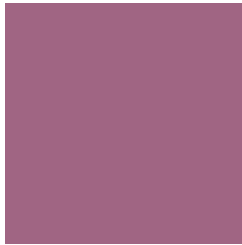
30, 55.224, 0.259



1, 5.498, 344.615

Previews

White Background



This preview shows how the CIELCh color 50, 28.986, 346.664 looks on a white background.

Color Contrast Check

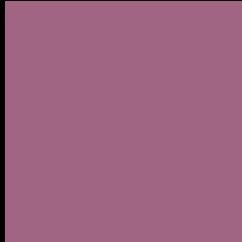
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.986, 346.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

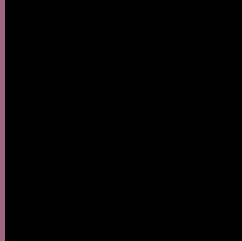
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 28.986, 346.664

Background



This preview shows how black text looks on a background with the CIELCh color 50, 28.986, 346.664.



This preview shows how white text looks on a background with the CIELCh color 50, 28.986, 346.664.

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, 28.986, 346.664

Protanopia

50, 14.090, 286.004

Deuteranopia

50, 8.300, 322.605



Tritanopia
50, 23.237, 11.053

Trichromacy



Original Color
50, 28.986, 346.664

Protanomaly
50, 16.968, 317.471

Deuteranomaly
50, 15.343, 338.136

Tritanomaly
50, 24.803, 0.956

Monochromacy



Original Color
50, 28.986, 346.664

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 10.960, 344.971

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 28.986, 346.664 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(160, 101, 131)` looks like.

```
.text, #text, p{  
    color:rgb(160, 101, 131)  
}
```

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(160, 101, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 101, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 28.986, 346.664 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(160, 101, 131) }
```

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

```
.border{ border-color:rgb(160, 101, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 101, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 101, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 101, 131);  
box-shadow:4px 4px 4px 4px rgb(160, 101,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 28.986, 346.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 101, 131) }
```

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

```
.background{ background-color: rgb(160,  
101, 131) }
```

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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