

Converting Colors

CIELCh(46, 20.500, 333.336)

Have a look what the booklet for
CIELCh(46, 20.500, 333.336)
contains.

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Color

CIELCh(46, 20.471, 333.416)

Conversions

Conversions Part 1

Format	Color
Hex	85637D
RGB	133, 99, 125
RGB Percent	52%, 39%, 49%
CMY	0.4801, 0.6133, 0.5114
CMYK	0.00, 0.26, 0.06, 0.48
HSL	314°, 15%, 45%
HSV	314°, 26%, 52%
XYZ	17.7038, 15.2687, 21.2760
YIQ	112.1300, 11.9180, 15.2940

Conversions

Conversions Part 2

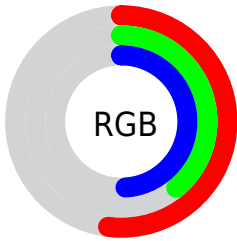
Format	Color
R_{YB}	133, 99, 125
Decimal	8741757
CIE _{Lab}	46.00, 18.31, -9.16
CIE _{LCh}	46, 20.471, 333.416
Yxy	15.2687, 0.3263, 0.2815
Android (android.graphics.Color)	4286931837 (0xFF85637D)
YUV	112.1300, 6.3449, 18.3030
Hunter-Lab	39.0751, 12.4916, -4.9302

Details

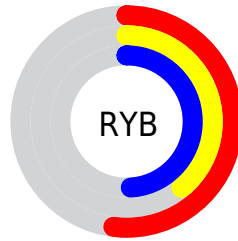
The CIELCh color $46, 20.471, 333.416$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $52, 20.351, 149.953$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 20.790, 333.369$, and $26, 20.365, 333.721$ is the 20% darker color. If you saturate the color by 10%, you get $43, 28.382, 334.111$, and if you desaturate by 10%, it is $50, 12.446, 332.748$.

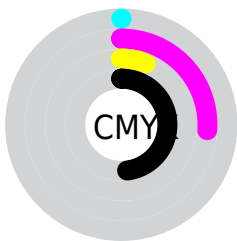
Distribution



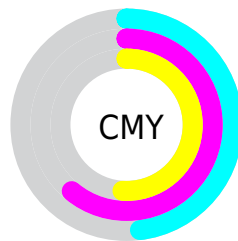
- Red (52%)
- Green (39%)
- Blue (49%)



- Red (52%)
- Yellow (39%)
- Blue (49%)



- Cyan (0%)
- Magenta (26%)
- Yellow (6%)
- Black (48%)





- Cyan (48%)
- Magenta (61%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 20.471, 333.416 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 46, 20.471, 333.416 by changing the saturation by 10% instead.


 46, 20.471,
333.416


 46, 20.471,
333.416


 100, 20.471,
333.416


 36, 20.471,
333.416

 66, 20.471,
333.416


 26, 20.471,
333.416

 76, 20.471,
333.416

 16, 20.471,
333.416

 86, 20.471,
333.416

 6, 20.471, 333.416

 96, 20.471,
333.416

 0, 20.471, 333.416

 46, 20.471,

 46, 20.471,

333.416

333.416

43, 28.382,
334.111

50, 12.446,
332.748

39, 35.982,
334.837

53, 4.454, 332.082

57, 3.415, 151.600

37, 43.001,
335.602

61, 11.107,
150.978

34, 49.112,
336.420

65, 18.591,
150.423

32, 53.969,
337.313

69, 25.855,
149.902

31, 57.281,
338.314

73, 32.898,
149.410

30, 59.002,
339.456

76, 39.726,
148.946

29, 59.617,
339.965

■ 80, 46.349,
148.509

Harmonies

Complementary

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



46, 20.471, 333.416



52, 20.351, 149.953

Rectangle

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



46, 20.471, 333.416



46, 20.471, 23.416



46, 20.471, 153.416



46, 20.471, 203.416

Sweetspot

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



46, 20.469, 333.417



67, 7.898, 332.257



44, 20.699, 301.121



34, 5.594, 332.346



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



46, 20.469, 333.417



57, 30.807, 333.836



45, 15.224, 0.940



26, 4.475, 332.320



29, 58.813, 339.938



0, 1.065, 331.787

Inverse Universe

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



46, 20.469, 333.417



57, 30.807, 333.836



53, 14.034, 175.954



26, 4.475, 332.320



29, 58.813, 339.938



0, 1.065, 331.787

Previews

White Background



This preview shows how the CIELCh color 46, 20.471, 333.416 looks on a white background.

Color Contrast Check

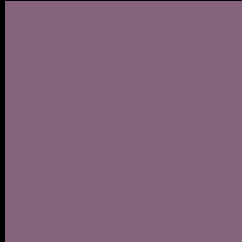
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 20.471, 333.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

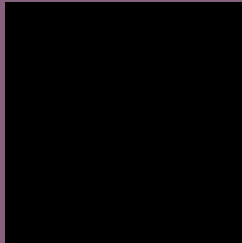
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 20.471, 333.416

Background



This preview shows how black text looks on a background with the CIELCh color 46, 20.471, 333.416.



This preview shows how white text looks on a background with the CIELCh color 46, 20.471, 333.416.

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

46, 20.471, 333.416

Protanopia

46, 13.720, 285.834

Deuteranopia

46, 10.527, 306.594



Tritanopia
46, 13.405, 0.600

Trichromacy



Original Color
46, 20.471, 333.416

Protanomaly
46, 14.759, 305.573

Deuteranomaly
46, 14.238, 319.810

Tritanomaly
46, 15.831, 347.522

Monochromacy



Original Color
46, 20.471, 333.416

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 7.691, 329.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 20.471, 333.416 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, 99, 125)` looks like.

```
.text, #text, p{  
    color:rgb(133, 99, 125)  
}
```

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, 99, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 99, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 20.471, 333.416 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, 99, 125) }
```

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

```
.border{ border-color:rgb(133, 99, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 99, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 99, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 99, 125);  
box-shadow:4px 4px 4px 4px rgb(133, 99,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 20.471, 333.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 99, 125) }
```

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

```
.background{ background-color: rgb(133, 99,  
125) }
```

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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