

Converting Colors

CIELCh(46, 19.726, 326.204)

Have a look what the booklet for
CIELCh(46, 19.726, 326.204)
contains.

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Color

CIELCh(46, 19.954, 325.582)

Conversions

Conversions Part 1

Format	Color
Hex	806480
RGB	128, 100, 128
RGB Percent	50%, 39%, 50%
CMY	0.4979, 0.6077, 0.4979
CMYK	0.00, 0.22, 0.00, 0.50
HSL	300°, 12%, 45%
HSV	300°, 22%, 50%
XYZ	17.3627, 15.2687, 22.4620
YIQ	111.5640, 7.7000, 14.6440

Conversions

Conversions Part 2

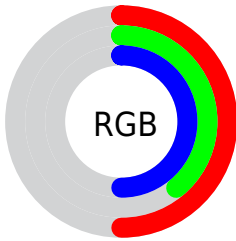
Format	Color
R_{YB}	128, 100, 128
Decimal	8414336
CIE _{Lab}	46.00, 16.46, -11.28
CIE _{LCh}	46, 19.954, 325.582
Yxy	15.2687, 0.3152, 0.2771
Android (android.graphics.Color)	4286604416 (0xFF806480)
YUV	111.5640, 8.1029, 14.4144
Hunter-Lab	39.0751, 10.9333, -6.7297

Details

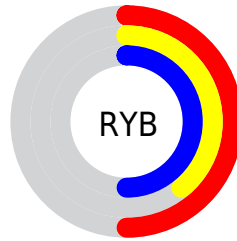
The CIELCh color $46, 19.954, 325.582$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $51, 19.940, 143.087$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 20.047, 325.328$, and $26, 19.930, 324.949$ is the 20% darker color. If you saturate the color by 10%, you get $43, 29.019, 326.097$, and if you desaturate by 10%, it is $49, 10.797, 325.050$.

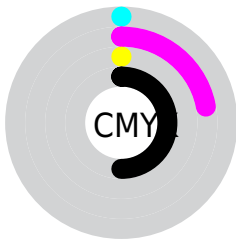
Distribution



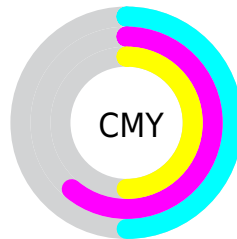
- Red (50%)
- Green (39%)
- Blue (50%)



- Red (50%)
- Yellow (39%)
- Blue (50%)



- Cyan (0%)
- Magenta (22%)
- Yellow (0%)
- Black (50%)





- Cyan (50%)
- Magenta (61%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 19.954, 325.582 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, 19.954, 325.582 by changing the saturation by 10% instead.


 46, 19.954,
325.582


 46, 19.954,
325.582


 100, 19.954,
325.582


 36, 19.954,
325.582

 66, 19.954,
325.582


 26, 19.954,
325.582

 76, 19.954,
325.582

 16, 19.954,
325.582


 86, 19.954,
325.582

 6, 19.954, 325.582

 96, 19.954,
325.582

 0, 19.954, 325.582

 46, 19.954,

 46, 19.954,

325.582

43, 29.019,
326.097

40, 37.799,
326.586

37, 46.034,
327.033

35, 53.416,
327.424

33, 59.619,
327.746

31, 64.358,
327.986

30, 67.476,
328.142

30, 69.333,
328.234

325.582

49, 10.797,
325.050

53, 1.695, 324.432

57, 7.260, 144.049

60, 16.008,
143.532

64, 24.515,
143.044

68, 32.766,
142.582

71, 40.758,
142.145

75, 48.495,
141.734

■ 79, 55.986,
141.350

Harmonies

Complementary

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



46, 19.954, 325.582



51, 19.940, 143.087

Rectangle

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



46, 19.954, 325.582



46, 19.954, 15.582



46, 19.954, 145.582



46, 19.954, 195.582

Sweetspot

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



46, 19.952, 325.582



65, 7.844, 324.790



43, 16.850, 292.570



34, 5.138, 324.816



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 19.952, 325.582



57, 29.290, 325.828



46, 14.173, 345.495



25, 5.102, 324.898



30, 69.128, 328.234



0, 0.000, 0.000

Inverse Universe

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



46, 19.952, 325.582



57, 29.290, 325.828



51, 13.805, 161.807



25, 5.102, 324.898



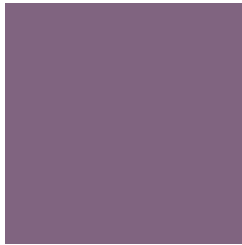
30, 69.128, 328.234



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 19.954, 325.582 looks on a white background.

Color Contrast Check

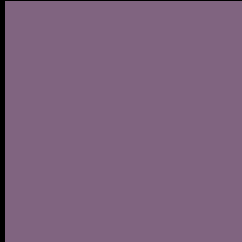
Large Text (above 18pt) WCAG AA ✓ Pass

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, 19.954, 325.582 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, 19.954, 325.582

Background



This preview shows how black text looks on a background with the CIELCh color 46, 19.954, 325.582.



This preview shows how white text looks on a background with the CIELCh color 46, 19.954, 325.582.

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, 19.954, 325.582

Protanopia

46, 14.930, 285.140

Deuteranopia

46, 12.689, 300.558



Tritanopia
46, 10.647, 354.430

Trichromacy



Original Color
46, 19.954, 325.582

Protanomaly
46, 15.766, 301.922

Deuteranomaly
46, 14.660, 312.069

Tritanomaly
46, 13.516, 340.097

Monochromacy



Original Color
46, 19.954, 325.582

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 7.196, 324.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 19.954, 325.582 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(128, 100, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 100, 128)  
}
```

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(128, 100, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 100, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 19.954, 325.582 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(128, 100, 128) }
```

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

```
.border{ border-color:rgb(128, 100, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 100, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 100, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 100, 128);  
box-shadow:4px 4px 4px 4px rgb(128, 100,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 19.954, 325.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 100, 128) }
```

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

```
.background{ background-color: rgb(128,  
100, 128) }
```

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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