

Converting Colors

CIELCh(46, 20.285, 318.765)

Have a look what the booklet for
CIELCh(46, 20.285, 318.765)
contains.

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Color

CIELCh(46, 19.996, 318.759)

Conversions

Conversions Part 1

Format	Color
Hex	7C6583
RGB	124, 101, 131
RGB Percent	49%, 40%, 51%
CMY	0.5132, 0.6034, 0.4858
CMYK	0.05, 0.23, 0.00, 0.49
HSL	286°, 13%, 46%
HSV	286°, 23%, 51%
XYZ	17.1024, 15.2687, 23.5649
YIQ	111.2970, 4.0780, 14.2060

Conversions

Conversions Part 2

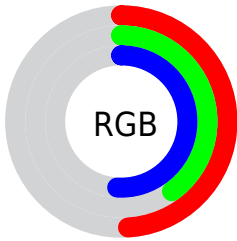
Format	Color
R_{YB}	124, 101, 131
Decimal	8152451
CIE _{Lab}	46.00, 15.04, -13.18
CIE _{LCh}	46, 19.996, 318.759
Yxy	15.2687, 0.3057, 0.2730
Android (android.graphics.Color)	4286342531 (0xFF7C6583)
YUV	111.2970, 9.7136, 11.1405
Hunter-Lab	39.0751, 9.7442, -8.4032

Details

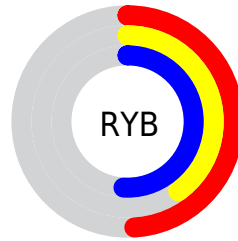
The CIELCh color $46, 19.996, 318.759$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $52, 19.749, 136.740$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 20.049, 318.993$, and $26, 20.274, 318.636$ is the 20% darker color. If you saturate the color by 10%, you get $42, 28.851, 319.180$, and if you desaturate by 10%, it is $50, 11.173, 318.328$.

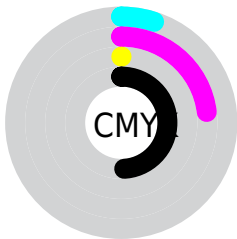
Distribution



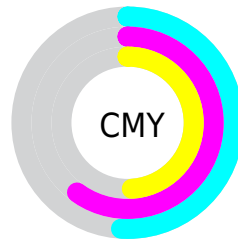
- Red (49%)
- Green (40%)
- Blue (51%)



- Red (49%)
- Yellow (40%)
- Blue (51%)



- Cyan (5%)
- Magenta (23%)
- Yellow (0%)
- Black (49%)




- Cyan (51%)
- Magenta (60%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 19.996, 318.759 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, 19.996, 318.759 by changing the saturation by 10% instead.


 46, 19.996,
318.759


 46, 19.996,
318.759


 100, 19.996,
318.759


 36, 19.996,
318.759

 66, 19.996,
318.759


 26, 19.996,
318.759

 76, 19.996,
318.759

 16, 19.996,
318.759

 86, 19.996,
318.759

 6, 19.996, 318.759

 96, 19.996,
318.759

 0, 19.996, 318.759

 46, 19.996,

 46, 19.996,

318.759

42, 28.851,
319.180

39, 37.600,
319.576

35, 46.030,
319.921

32, 53.851,
320.180

30, 60.700,
320.312

28, 66.183,
320.269

26, 69.975,
320.009

25, 72.183,
319.776

318.759

50, 11.173,
318.328

54, 2.479, 317.865

58, 6.033, 137.548

62, 14.331,
137.155

66, 22.402,
136.799

69, 30.242,
136.471

73, 37.855,
136.171

77, 45.247,
135.897

■ 81, 52.429,
135.649

Harmonies

Complementary

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



46, 19.996, 318.759



52, 19.749, 136.740

Rectangle

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



46, 19.996, 318.759



46, 19.996, 8.759



46, 19.996, 138.759



46, 19.996, 188.759

Sweetspot

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



46, 19.994, 318.759



67, 7.500, 318.077



46, 13.853, 281.321



35, 4.913, 318.098



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, 19.994, 318.759



57, 29.361, 318.961



46, 17.712, 334.462



26, 4.921, 318.165



25, 71.750, 319.782



0, 1.169, 317.803

Inverse Universe

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



46, 13.248, 3.030



57, 19.591, 3.628



52, 17.589, 151.336



26, 3.196, 1.505



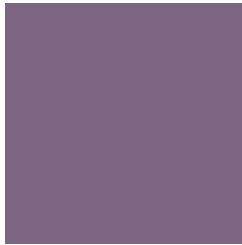
26, 54.482, 25.016



0, 0.750, 0.740

Previews

White Background



This preview shows how the CIELCh color 46, 19.996, 318.759 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 CIE LCh color 46, 19.996, 318.759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

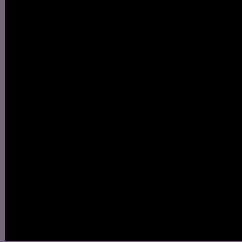
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 19.996, 318.759

Background



This preview shows how black text looks on a background with the CIELCh color 46, 19.996, 318.759.



This preview shows how white text looks on a background with the CIELCh color 46, 19.996, 318.759.

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, 19.996, 318.759

Protanopia

46, 16.726, 284.981

Deuteranopia

46, 13.721, 295.192



Tritanopia
46, 8.799, 343.180

Trichromacy



Original Color
46, 19.996, 318.759

Protanomaly
46, 16.766, 297.521

Deuteranomaly
46, 15.426, 306.483

Tritanomaly
46, 12.691, 328.282

Monochromacy



Original Color
46, 19.996, 318.759

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 7.499, 319.730

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 19.996, 318.759 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(124, 101, 131)` looks like.

```
.text, #text, p{  
    color:rgb(124, 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(124, 101, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 101, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 19.996, 318.759 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(124, 101, 131) }
```

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

```
.border{ border-color:rgb(124, 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(124, 101, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 101, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 101, 131);  
box-shadow:4px 4px 4px 4px rgb(124, 101,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 19.996, 318.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 101, 131) }
```

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

```
.background{ background-color: rgb(124,  
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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