

Converting Colors

CIELCh(45, 19.255, 313.437)

Have a look what the booklet for
CIELCh(45, 19.255, 313.437)
contains.

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Color

CIELCh(45, 19.285, 313.445)

Conversions

Conversions Part 1

Format	Color
Hex	766482
RGB	118, 100, 130
RGB Percent	46%, 39%, 51%
CMY	0.5377, 0.6083, 0.4907
CMYK	0.09, 0.23, 0.00, 0.49
HSL	276°, 13%, 45%
HSV	276°, 23%, 51%
XYZ	16.0201, 14.5417, 23.0364
YIQ	108.8020, 1.0980, 13.1460

Conversions

Conversions Part 2

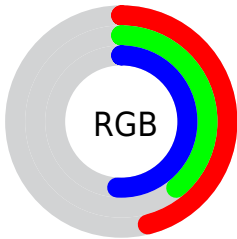
Format	Color
R_{YB}	118, 100, 130
Decimal	7758978
CIE _{Lab}	45.00, 13.26, -14.00
CIE _{LCh}	45, 19.285, 313.445
Yxy	14.5417, 0.2989, 0.2713
Android (android.graphics.Color)	4285949058 (0xFF766482)
YUV	108.8020, 10.4506, 8.0666
Hunter-Lab	38.1336, 8.2547, -9.1234

Details

The CIELCh color $45, 19.285, 313.445$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $52, 18.836, 131.499$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 19.191, 313.013$, and $25, 19.630, 312.946$ is the 20% darker color. If you saturate the color by 10%, you get $41, 27.880, 313.893$, and if you desaturate by 10%, it is $49, 10.814, 313.006$.

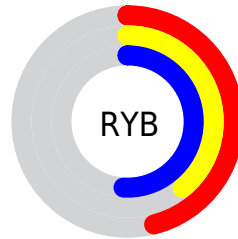
Distribution



Red (46%)

Green (39%)

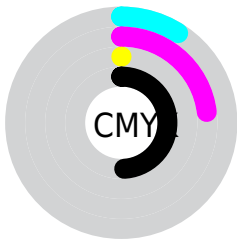
Blue (51%)



Red (46%)

Yellow (39%)

Blue (51%)

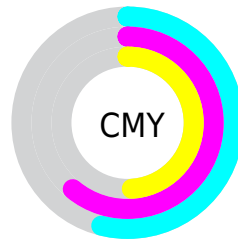


Cyan (9%)

Magenta (23%)

Yellow (0%)

Black (49%)



Cyan (54%)


Magenta (61%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 19.285, 313.445 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 45, 19.285, 313.445 by changing the saturation by 10% instead.


 45, 19.285,
313.445


 45, 19.285,
313.445


 100, 19.285,
313.445


 35, 19.285,
313.445

 65, 19.285,
313.445


 25, 19.285,
313.445

 75, 19.285,
313.445

 15, 19.285,
313.445


 85, 19.285,
313.445

 5, 19.285, 313.445

 95, 19.285,
313.445

 0, 19.285, 313.445

 45, 19.285,

 45, 19.285,

313.445

41, 27.880,
313.893

37, 36.505,
314.335

34, 44.994,
314.743

30, 53.097,
315.074

27, 60.458,
315.271

24, 66.623,
315.260

22, 71.141,
314.963

21, 73.866,
314.729

313.445

49, 10.814,
313.006

53, 2.528, 312.562

57, 5.545, 132.244

61, 13.392,
131.884

65, 21.012,
131.566

69, 28.409,
131.282

73, 35.590,
131.030

77, 42.565,
130.806

■ 81, 49.344,
130.610

Harmonies

Complementary

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



45, 19.285, 313.445



52, 18.836, 131.499

Rectangle

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



45, 19.285, 313.445



45, 19.285, 3.445



45, 19.285, 133.445



45, 19.285, 183.445

Sweetspot

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



45, 19.284, 313.445



65, 7.096, 312.750



47, 11.212, 267.193



34, 4.592, 312.769



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 19.284, 313.445



55, 29.050, 313.693



46, 20.147, 328.040



25, 4.563, 312.833



20, 72.880, 314.748



0, 0.000, 0.000

Inverse Universe

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



46, 14.289, 351.577



56, 21.532, 352.208



51, 20.121, 145.283



25, 3.370, 350.146



26, 50.596, 9.877



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 19.285, 313.445 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 45, 19.285, 313.445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

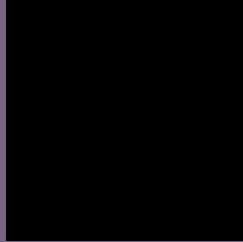
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 19.285, 313.445

Background



This preview shows how black text looks on a background with the CIELCh color 45, 19.285, 313.445.



This preview shows how white text looks on a background with the CIELCh color 45, 19.285, 313.445.

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

45, 19.285, 313.445

Protanopia

45, 17.364, 286.589

Deuteranopia

45, 14.979, 295.116



Tritanopia
45, 6.874, 336.332

Trichromacy



Original Color
45, 19.285, 313.445

Protanomaly
45, 17.411, 296.230

Deuteranomaly
45, 15.818, 301.942

Tritanomaly
45, 11.122, 321.602

Monochromacy



Original Color
45, 19.285, 313.445

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 7.009, 311.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 19.285, 313.445 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(118, 100, 130)` looks like.

```
.text, #text, p{  
    color:rgb(118, 100, 130)  
}
```

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(118, 100, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 100, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 19.285, 313.445 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(118, 100, 130) }
```

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

```
.border{ border-color:rgb(118, 100, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 100, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 100, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 100, 130);  
box-shadow:4px 4px 4px 4px rgb(118, 100,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 19.285, 313.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 100, 130) }
```

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

```
.background{ background-color: rgb(118,  
100, 130) }
```

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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