

Converting Colors

CIELCh(45, 14.282, 319.820)

Have a look what the booklet for
CIELCh(45, 14.282, 319.820)
contains.

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Color

CIELCh(45, 14.282, 319.820)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 76657A |
| RGB | 118, 101, 122 |
| RGB Percent | 46%, 40%, 48% |
| CMY | 0.5376, 0.6042, 0.5219 |
| CMYK | 0.03, 0.17, 0.00, 0.52 |
| HSL | 289°, 9%, 44% |
| HSV | 289°, 17%, 48% |
| XYZ | 15.6147, 14.5417, 20.3704 |
| YIQ | 108.4770, 3.3910, 10.1350 |

Conversions

Conversions Part 2

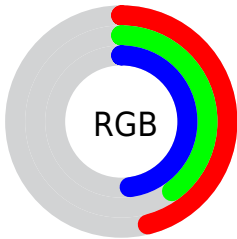
| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 118, 101, 122 |
| Decimal | 7759226 |
| CIE _{Lab} | 45.00, 10.91, -9.21 |
| CIE _{LCh} | 45, 14.282, 319.820 |
| Yxy | 14.5417, 0.3090, 0.2878 |
| Android (android.graphics.Color) | 4285949306 (0xFF76657A) |
| YUV | 108.4770, 6.6668, 8.3517 |
| Hunter-Lab | 38.1336, 6.3570, -4.9784 |

Details

The CIELCh color $45, 14.282, 319.820$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 14.171, 138.298$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 14.016, 319.898$, and $25, 14.305, 321.117$ is the 20% darker color. If you saturate the color by 10%, you get $42, 22.689, 320.253$, and if you desaturate by 10%, it is $49, 5.942, 319.375$.

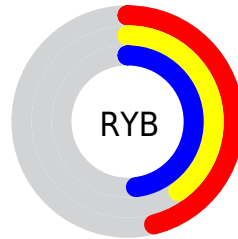
Distribution



Red (46%)

Green (40%)

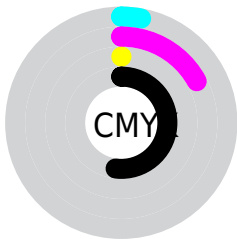
Blue (48%)



Red (46%)

Yellow (40%)

Blue (48%)

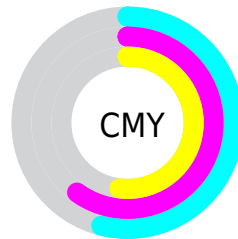


Cyan (3%)

Magenta (17%)

Yellow (0%)

Black (52%)



Cyan (54%)


Magenta (60%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 14.282, 319.820 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, 14.282, 319.820 by changing the saturation by 10% instead.


 45, 14.282,
319.820


 45, 14.282,
319.820


 100, 14.282,
319.820


 35, 14.282,
319.820

 65, 14.282,
319.820


 25, 14.282,
319.820

 75, 14.282,
319.820

 15, 14.282,
319.820

 85, 14.282,
319.820

 5, 14.282, 319.820

 95, 14.282,
319.820

 0, 14.282, 319.820

 45, 14.282,

 45, 14.282,

319.820

319.820

42, 22.689,
320.253

49, 5.942, 319.375

38, 31.053,
320.669

52, 2.255, 139.046

35, 39.205,
321.049

56, 10.267,
138.594

32, 46.909,
321.365

60, 18.071,
138.208

29, 53.863,
321.585

63, 25.658,
137.851

27, 59.719,
321.671

67, 33.026,
137.521

25, 64.143,
321.585

71, 40.180,
137.217

24, 67.214,
321.339

74, 47.127,
136.939

■ 24, 68.060,
321.276

■ 78, 53.877,
136.685

Harmonies

Complementary

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



45, 14.282, 319.820



49, 14.171, 138.298

Rectangle

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



45, 14.282, 319.820



45, 14.282, 9.820



45, 14.282, 139.820



45, 14.282, 189.820

Sweetspot

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



45, 14.280, 319.820



63, 5.082, 319.276



45, 10.131, 282.493



32, 3.449, 319.303



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 14.280, 319.820



56, 21.598, 320.007



45, 12.241, 335.413



24, 4.657, 319.460



24, 69.275, 321.260



52, 116.777, 320.909

Inverse Universe

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



45, 9.148, 5.562



56, 13.944, 6.049



49, 12.154, 153.091



24, 2.940, 4.705



25, 54.190, 28.152



53, 93.769, 31.274

Previews

White Background



This preview shows how the CIELCh color 45, 14.282, 319.820 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 45, 14.282, 319.820 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, 14.282, 319.820

Background



This preview shows how black text looks on a background with the CIELCh color 45, 14.282, 319.820.



This preview shows how white text looks on a background with the CIELCh color 45, 14.282, 319.820.

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, 14.282, 319.820

Protanopia

45, 11.369, 286.018

Deuteranopia

45, 10.464, 304.519



Tritanopia
45, 7.174, 338.684

Trichromacy



Original Color
45, 14.282, 319.820

Protanomaly
45, 12.084, 299.145

Deuteranomaly
45, 11.504, 311.597

Tritanomaly
45, 9.886, 329.008

Monochromacy



Original Color
45, 14.282, 319.820

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 5.579, 321.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 14.282, 319.820 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, 101, 122)` looks like.

```
.text, #text, p{  
    color:rgb(118, 101, 122)  
}
```

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, 101, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 101, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 14.282, 319.820 is called "border". The border property can be set on classes, ids or directly on the HTML element.

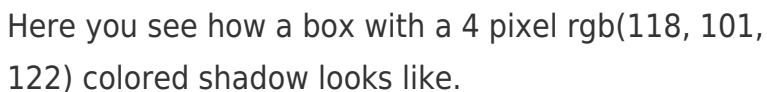
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 101, 122) }
```

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

```
.border{ border-color:rgb(118, 101, 122) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 101, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 101, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 101, 122); box-shadow:4px 4px 4px 4px rgb(118, 101, 122) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 14.282, 319.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 101, 122) }
```

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

```
.background{ background-color: rgb(118,  
101, 122) }
```

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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