

Converting Colors

CIELCh(45, 14.238, 323.097)

Have a look what the booklet for
CIELCh(45, 14.238, 323.097)
contains.

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Color

CIELCh(45, 13.964, 322.470)

Conversions

Conversions Part 1

Format	Color
Hex	776579
RGB	119, 101, 121
RGB Percent	47%, 40%, 47%
CMY	0.5343, 0.6048, 0.5264
CMYK	0.02, 0.17, 0.00, 0.53
HSL	294°, 9%, 43%
HSV	294°, 17%, 47%
XYZ	15.6424, 14.5417, 19.9945
YIQ	108.6620, 4.3080, 10.0360

Conversions

Conversions Part 2

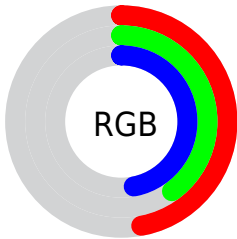
Format	Color
R_{YB}	119, 101, 121
Decimal	7824761
CIE _{Lab}	45.00, 11.07, -8.51
CIE _{LCh}	45, 13.964, 322.470
Yxy	14.5417, 0.3117, 0.2898
Android (android.graphics.Color)	4286014841 (0xFF776579)
YUV	108.6620, 6.0826, 9.0664
Hunter-Lab	38.1336, 6.4870, -4.3939

Details

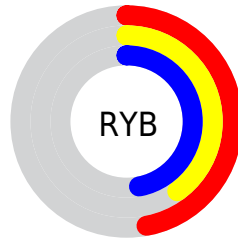
The CIELCh color `45, 13.964, 322.470` is a dark color, and the websafe version is hex `666666`. A complement of this color would be `49, 13.906, 140.867`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 13.725, 322.417`, and `25, 13.748, 322.463` is the 20% darker color. If you saturate the color by 10%, you get `42, 22.469, 322.936`, and if you desaturate by 10%, it is `48, 5.493, 321.987`.

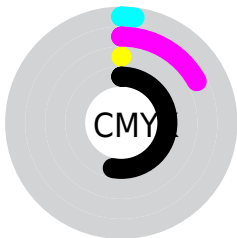
Distribution



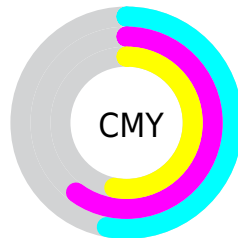
- Red (47%)
- Green (40%)
- Blue (47%)



- Red (47%)
- Yellow (40%)
- Blue (47%)



- Cyan (2%)
- Magenta (17%)
- Yellow (0%)
- Black (53%)





- Cyan (53%)
- Magenta (60%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.964, 322.470 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, 13.964, 322.470 by changing the saturation by 10% instead.


 45, 13.964,
322.470


 45, 13.964,
322.470


 100, 13.964,
322.470


 35, 13.964,
322.470

 65, 13.964,
322.470


 25, 13.964,
322.470

 75, 13.964,
322.470

 15, 13.964,
322.470

 85, 13.964,
322.470

 5, 13.964, 322.470

 95, 13.964,
322.470

 0, 13.964, 322.470

 45, 13.964,

 45, 13.964,

322.470

42, 22.469,
322.936

38, 30.881,
323.382

36, 39.013,
323.792

33, 46.618,
324.145

30, 53.392,
324.417

28, 59.011,
324.580

27, 63.190,
324.613

26, 65.985,
324.522

322.470

48, 5.493, 321.987

52, 2.851, 141.614

56, 11.018,
141.128

59, 18.975,
140.697

63, 26.709,
140.293

66, 34.215,
139.915

70, 41.497,
139.562

74, 48.560,
139.235

■ 26, 66.909,
324.491

■ 77, 55.415,
138.933

Harmonies

Complementary

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



45, 13.964, 322.470



49, 13.906, 140.867

Rectangle

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



45, 13.964, 322.470



45, 13.964, 12.470



45, 13.964, 142.470



45, 13.964, 192.470

Sweetspot

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



45, 13.962, 322.470



63, 5.220, 321.912



44, 10.607, 286.856



32, 3.543, 321.942



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, 13.962, 322.470



57, 21.067, 322.656



45, 11.009, 339.044



24, 4.781, 322.112



27, 68.569, 324.478



56, 115.484, 324.282

Inverse Universe

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



45, 8.546, 12.510



56, 13.029, 12.923



49, 10.887, 156.644



24, 2.872, 11.787



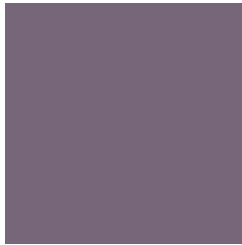
25, 57.270, 34.026



53, 99.406, 36.686

Previews

White Background



This preview shows how the CIELCh color 45, 13.964, 322.470 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, 13.964, 322.470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

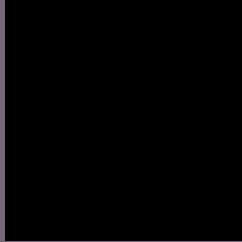
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.964, 322.470

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.964, 322.470.



This preview shows how white text looks on a background with the CIELCh color 45, 13.964, 322.470.

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, 13.964, 322.470

Protanopia

45, 10.777, 285.597

Deuteranopia

45, 9.988, 307.471



Tritanopia
45, 7.486, 340.853

Trichromacy



Original Color
45, 13.964, 322.470

Protanomaly
45, 11.554, 301.382

Deuteranomaly
45, 11.098, 314.591

Tritanomaly
45, 10.140, 330.874

Monochromacy



Original Color
45, 13.964, 322.470

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, 13.964, 322.470 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(119, 101, 121)` looks like.

```
.text, #text, p{  
    color:rgb(119, 101, 121)  
}
```

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(119, 101, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 101, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.964, 322.470 is called "border". The border property can be set on classes, ids or directly on the HTML element.

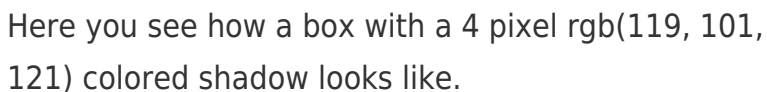
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 101, 121) }
```

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

```
.border{ border-color:rgb(119, 101, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 101, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 101, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 101, 121); box-shadow:4px 4px 4px 4px rgb(119, 101, 121) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.964, 322.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 101, 121) }
```

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

```
.background{ background-color: rgb(119,  
101, 121) }
```

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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