

Converting Colors

CIELCh(45, 17.688, 310.078)

Have a look what the booklet for
CIELCh(45, 17.688, 310.078)
contains.

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Color

CIELCh(45, 17.652, 310.046)

Conversions

Conversions Part 1

Format	Color
Hex	736581
RGB	115, 101, 129
RGB Percent	45%, 40%, 51%
CMY	0.5490, 0.6038, 0.4941
CMYK	0.11, 0.22, 0.00, 0.49
HSL	270°, 12%, 45%
HSV	270°, 22%, 51%
XYZ	15.6910, 14.5417, 22.7543
YIQ	108.3780, -0.6440, 11.6760

Conversions

Conversions Part 2

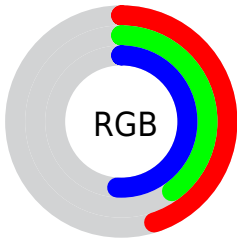
Format	Color
R_{YB}	115, 101, 129
Decimal	7562625
CIE _{Lab}	45.00, 11.36, -13.51
CIE _{LCh}	45, 17.652, 310.046
Yxy	14.5417, 0.2961, 0.2744
Android (android.graphics.Color)	4285752705 (0xFF736581)
YUV	108.3780, 10.1666, 5.8075
Hunter-Lab	38.1336, 6.7144, -8.6848

Details

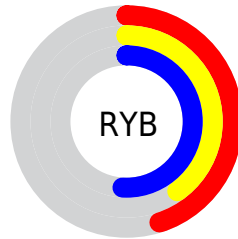
The CIELCh color $45, 17.652, 310.046$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $52, 17.154, 128.118$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 17.648, 309.815$, and $25, 18.019, 310.500$ is the 20% darker color. If you saturate the color by 10%, you get $41, 26.093, 310.553$, and if you desaturate by 10%, it is $49, 9.392, 309.566$.

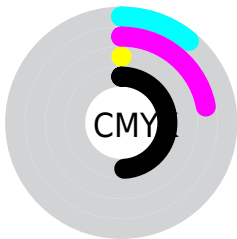
Distribution



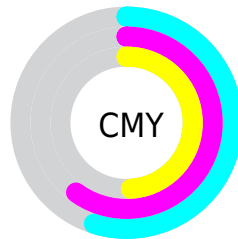
- Red (45%)
- Green (40%)
- Blue (51%)



- Red (45%)
- Yellow (40%)
- Blue (51%)



- Cyan (11%)
- Magenta (22%)
- Yellow (0%)
- Black (49%)




- Cyan (55%)
- Magenta (60%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 17.652, 310.046 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, 17.652, 310.046 by changing the saturation by 10% instead.

 45, 17.652,
310.046


 45, 17.652,
310.046


 100, 17.652,
310.046


 35, 17.652,
310.046

 65, 17.652,
310.046


 25, 17.652,
310.046

 75, 17.652,
310.046

 15, 17.652,
310.046


 85, 17.652,
310.046

 5, 17.652, 310.046

 95, 17.652,
310.046

 0, 17.652, 310.046

 45, 17.652,

 45, 17.652,

310.046

41, 26.093,
310.553

37, 34.652,
311.077

33, 43.204,
311.592

29, 51.539,
312.057

26, 59.332,
312.411

23, 66.122,
312.568

20, 71.364,
312.426

19, 75.044,
312.238

310.046

49, 9.392, 309.566

53, 1.352, 309.075

57, 6.456, 128.756

62, 14.030,
128.395

66, 21.373,
128.079

70, 28.496,
127.801

74, 35.407,
127.558

78, 42.118,
127.346

82, 48.640,

Harmonies

Complementary

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



45, 17.652, 310.046



52, 17.154, 128.118

Rectangle

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



45, 17.652, 310.046



45, 17.652, 0.046



45, 17.652, 130.046



45, 17.652, 180.046

Sweetspot

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



45, 17.651, 310.045



65, 6.940, 309.357



48, 9.496, 256.582



33, 4.491, 309.377



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, 17.651, 310.045



56, 26.439, 310.292



46, 19.828, 325.107



25, 4.464, 309.445



18, 74.397, 312.252



0, 0.000, 0.000

Inverse Universe

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



46, 14.151, 345.479



57, 21.139, 345.963



51, 19.803, 142.686



25, 3.594, 344.327



26, 50.838, 0.545



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 17.652, 310.046 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, 17.652, 310.046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

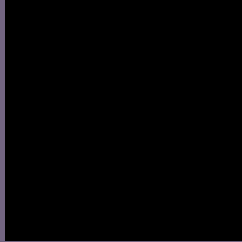
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 17.652, 310.046

Background



This preview shows how black text looks on a background with the CIELCh color 45, 17.652, 310.046.



This preview shows how white text looks on a background with the CIELCh color 45, 17.652, 310.046.

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, 17.652, 310.046

Protanopia

45, 16.183, 285.938

Deuteranopia

45, 14.384, 295.168



Tritanopia
45, 5.806, 324.783

Trichromacy



Original Color
45, 17.652, 310.046

Protanomaly
45, 16.152, 293.726

Deuteranomaly
45, 15.168, 300.855

Tritanomaly
45, 9.853, 315.163

Monochromacy



Original Color
45, 17.652, 310.046

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 7.020, 311.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 17.652, 310.046 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(115, 101, 129)` looks like.

```
.text, #text, p{  
    color:rgb(115, 101, 129)  
}
```

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(115, 101, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 101, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 17.652, 310.046 is called "border". The border property can be set on classes, ids or directly on the HTML element.

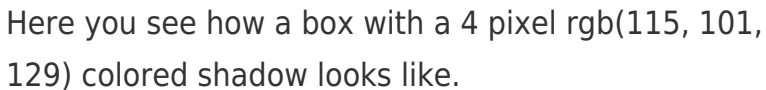
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 101, 129) }
```

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

```
.border{ border-color:rgb(115, 101, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 101, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 101, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 101, 129);  
box-shadow:4px 4px 4px 4px rgb(115, 101,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 17.652, 310.046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 101, 129) }
```

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

```
.background{ background-color: rgb(115,  
101, 129) }
```

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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