

Converting Colors

CIELCh(45, 25.615, 310.447)

Have a look what the booklet for
CIELCh(45, 25.615, 310.447)
contains.

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Color

CIELCh(45, 25.800, 310.856)

Conversions

Conversions Part 1

Format	Color
Hex	77628B
RGB	119, 98, 139
RGB Percent	47%, 38%, 55%
CMY	0.5330, 0.6154, 0.4546
CMYK	0.14, 0.29, 0.00, 0.45
HSL	271°, 17%, 46%
HSV	271°, 29%, 55%
XYZ	16.6575, 14.5417, 26.3832
YIQ	108.9530, -0.6450, 17.2030

Conversions

Conversions Part 2

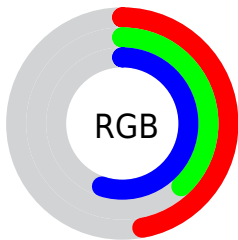
Format	Color
R_{YB}	119, 98, 139
Decimal	7824011
CIE _{Lab}	45.00, 16.88, -19.51
CIE _{LCh}	45, 25.800, 310.856
Yxy	14.5417, 0.2893, 0.2525
Android (android.graphics.Color)	4286014091 (0xFF77628B)
YUV	108.9530, 14.8132, 8.8112
Hunter-Lab	38.1336, 11.2386, -14.3270

Details

The CIELCh color $45, 25.800, 310.856$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $55, 24.821, 128.178$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 25.927, 310.903$, and $25, 26.118, 311.036$ is the 20% darker color. If you saturate the color by 10%, you get $41, 34.888, 311.370$, and if you desaturate by 10%, it is $49, 16.844, 310.358$.

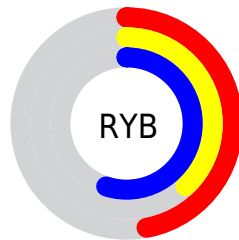
Distribution



Red (47%)

Green (38%)

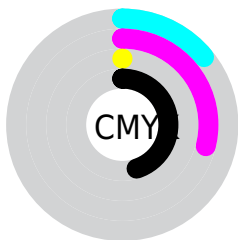
Blue (55%)



Red (47%)

Yellow (38%)

Blue (55%)

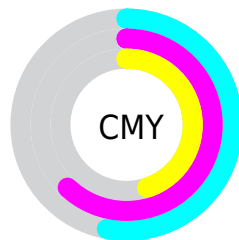


Cyan (14%)

Magenta (29%)

Yellow (0%)

Black (45%)



Cyan (53%)


Magenta (62%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 25.800, 310.856 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, 25.800, 310.856 by changing the saturation by 10% instead.


 45, 25.800,
310.856


 45, 25.800,
310.856


 100, 25.800,
310.856


 35, 25.800,
310.856

 65, 25.800,
310.856


 25, 25.800,
310.856

 75, 25.800,
310.856

 15, 25.800,
310.856

 85, 25.800,
310.856

 5, 25.800, 310.856

 95, 25.800,
310.856

 0, 25.800, 310.856

 45, 25.800,

 45, 25.800,

310.856

41, 34.888,
311.370

37, 43.989,
311.878

33, 52.894,
312.342

29, 61.273,
312.704

26, 68.655,
312.881

23, 74.469,
312.775

21, 78.854,
312.450

21, 79.091,
312.440

310.856

49, 16.844,
310.358

54, 8.090, 309.888

58, 0.428, 129.692

63, 8.698, 129.099

67, 16.719,
128.750

71, 24.496,
128.442

76, 32.039,
128.172

80, 39.358,
127.936

84, 46.465,

Harmonies

Complementary

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



45, 25.800, 310.856



55, 24.821, 128.178

Rectangle

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



45, 25.800, 310.856



45, 25.800, 0.856



45, 25.800, 130.856



45, 25.800, 180.856

Sweetspot

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



45, 25.799, 310.856



69, 9.520, 309.875



49, 13.852, 259.845



36, 6.679, 309.935



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



45, 25.799, 310.856



55, 38.232, 311.178



47, 28.755, 325.987



27, 4.773, 309.873



20, 76.369, 312.490



0, 2.190, 309.492

Inverse Universe

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



46, 20.392, 346.983



57, 30.071, 347.687



54, 28.755, 142.471



27, 3.801, 345.010



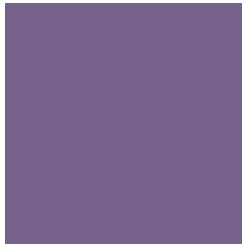
28, 52.164, 1.846



0, 1.745, 344.310

Previews

White Background



This preview shows how the CIELCh color 45, 25.800, 310.856 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, 25.800, 310.856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

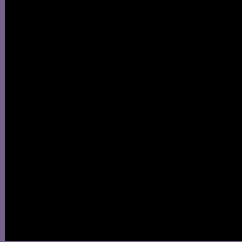
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 25.800, 310.856

Background



This preview shows how black text looks on a background with the CIELCh color 45, 25.800, 310.856.



This preview shows how white text looks on a background with the CIELCh color 45, 25.800, 310.856.

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, 25.800, 310.856

Protanopia

45, 23.409, 284.968

Deuteranopia

45, 19.726, 287.708



Tritanopia
45, 6.874, 336.332

Trichromacy



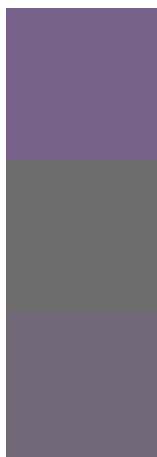
Original Color
45, 25.800, 310.856

Protanomaly
45, 23.958, 295.137

Deuteranomaly
45, 21.654, 297.911

Tritanomaly
45, 13.404, 317.963

Monochromacy



Original Color
45, 25.800, 310.856

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 9.528, 310.739

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 25.800, 310.856 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, 98, 139)` looks like.

```
.text, #text, p{  
    color:rgb(119, 98, 139)  
}
```

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, 98, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 98, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 25.800, 310.856 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, 98, 139) }
```

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

```
.border{ border-color:rgb(119, 98, 139) }
```

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

Here you see how a box with a 4 pixel rgb(119, 98, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 98, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 98, 139);  
box-shadow:4px 4px 4px 4px rgb(119, 98,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 25.800, 310.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 98, 139) }
```

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

```
.background{ background-color: rgb(119, 98,  
139) }
```

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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