

Converting Colors

CIELCh(45, 18.864, 273.571)

Have a look what the booklet for
CIELCh(45, 18.864, 273.571)
contains.

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Color

CIELCh(45, 19.278, 273.909)

Conversions

Conversions Part 1

Format	Color
Hex	596B8A
RGB	89, 107, 138
RGB Percent	35%, 42%, 54%
CMY	0.6500, 0.5795, 0.4579
CMYK	0.35, 0.22, 0.00, 0.46
HSL	218°, 22%, 45%
HSV	218°, 35%, 54%
XYZ	14.0298, 14.5417, 26.2053
YIQ	105.1520, -20.6790, 5.8250

Conversions

Conversions Part 2

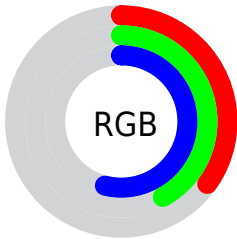
Format	Color
R_{YB}	89, 102, 138
Decimal	5860234
CIE _{Lab}	45.00, 1.31, -19.23
CIE _{LCh}	45, 19.278, 273.909
Yxy	14.5417, 0.2561, 0.2655
Android (android.graphics.Color)	4284050314 (0xFF596B8A)
YUV	105.1520, 16.1941, -14.1653
Hunter-Lab	38.1336, -1.0618, -14.0504

Details

The CIELCh color $45, 19.278, 273.909$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $51, 19.720, 83.820$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 19.663, 274.168$, and $25, 19.293, 273.424$ is the 20% darker color. If you saturate the color by 10%, you get $42, 24.853, 276.108$, and if you desaturate by 10%, it is $49, 13.766, 272.022$.

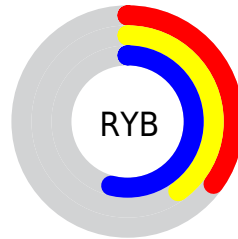
Distribution



Red (35%)

Green (42%)

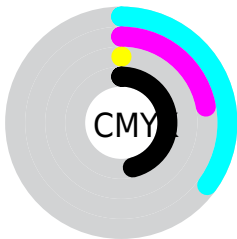
Blue (54%)



Red (35%)

Yellow (40%)

Blue (54%)

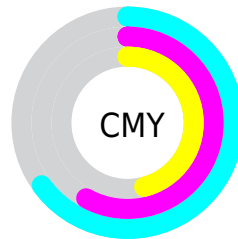


Cyan (35%)

Magenta (22%)

Yellow (0%)

Black (46%)



Cyan (65%)


Magenta (58%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 19.278, 273.909 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, 19.278, 273.909 by changing the saturation by 10% instead.


 45, 19.278,
273.909


 45, 19.278,
273.909


 100, 19.278,
273.909


 35, 19.278,
273.909

 65, 19.278,
273.909


 25, 19.278,
273.909

 75, 19.278,
273.909

 15, 19.278,
273.909

 85, 19.278,
273.909

 5, 19.278, 273.909

 95, 19.278,
273.909

 0, 19.278, 273.909

 45, 19.278,

 45, 19.278,

273.909

273.909

■ 42, 24.853,
276.108

■ 49, 13.766,
272.022

■ 38, 30.508,
278.660

■ 52, 8.313, 270.411

■ 35, 36.265,
281.584

■ 56, 2.920, 269.063

■ 59, 2.412, 87.707

■ 31, 42.153,
284.865

■ 63, 7.679, 86.720

■ 28, 48.194,
288.433

■ 66, 12.877, 85.818

■ 70, 18.003, 85.021

■ 26, 54.371,
292.116

■ 73, 23.055, 84.313

■ 24, 57.223,
293.648

■ 77, 28.032, 83.682

Harmonies

Complementary

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



45, 19.278, 273.909



51, 19.720, 83.820

Rectangle

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



45, 19.278, 273.909



45, 19.278, 323.909



45, 19.278, 93.909



45, 19.278, 143.909

Sweetspot

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



45, 19.277, 273.908



68, 7.277, 269.807



54, 21.513, 167.011



35, 4.873, 269.966



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



45, 19.277, 273.908



54, 28.943, 275.748



40, 29.984, 298.245



27, 3.017, 269.526



23, 55.287, 293.488



0, 1.395, 268.323

Inverse Universe

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



44, 22.973, 355.249



52, 34.429, 356.500



56, 27.591, 112.046



27, 3.526, 352.231



27, 52.354, 13.188



0, 1.612, 351.469

Previews

White Background



This preview shows how the CIE LCh color 45, 19.278, 273.909 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, 19.278, 273.909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

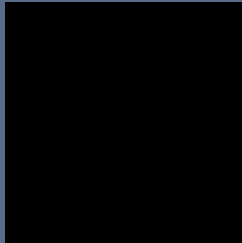
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

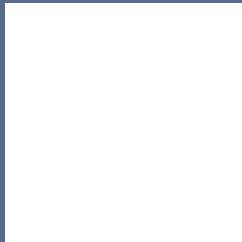
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 19.278, 273.909

Background



This preview shows how black text looks on a background with the CIELCh color 45, 19.278, 273.909.

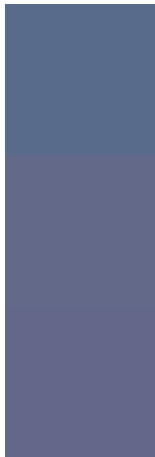


This preview shows how white text looks on a background with the CIELCh color 45, 19.278, 273.909.

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, 19.278, 273.909

Protanopia

45, 19.196, 285.366

Deuteranopia

45, 20.941, 288.226



Tritanopia
45, 10.604, 225.360

Trichromacy



Original Color
45, 19.278, 273.909

Protanomaly
45, 18.774, 280.795

Deuteranomaly
45, 20.492, 283.163

Tritanomaly
45, 12.419, 249.314

Monochromacy



Original Color
45, 19.278, 273.909

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 7.051, 268.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 19.278, 273.909 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(89, 107, 138)` looks like.

```
.text, #text, p{  
    color:rgb(89, 107, 138)  
}
```

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(89, 107, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 107, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 19.278, 273.909 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(89, 107, 138) }
```

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

```
.border{ border-color:rgb(89, 107, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 107, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 107, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 107, 138);  
box-shadow:4px 4px 4px 4px rgb(89, 107,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 19.278, 273.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 107, 138) }
```

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

```
.background{ background-color: rgb(89, 107,  
138) }
```

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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