

Converting Colors

CIELCh(45, 18.043, 310.057)

Have a look what the booklet for
CIELCh(45, 18.043, 310.057)
contains.

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Color

CIELCh(45, 18.216, 309.493)

Conversions

Conversions Part 1

Format	Color
Hex	736582
RGB	115, 101, 130
RGB Percent	45%, 40%, 51%
CMY	0.5493, 0.6042, 0.4905
CMYK	0.12, 0.22, 0.00, 0.49
HSL	269°, 13%, 45%
HSV	269°, 22%, 51%
XYZ	15.7301, 14.5417, 23.0687
YIQ	108.4920, -0.9650, 11.9870

Conversions

Conversions Part 2

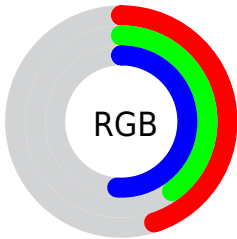
Format	Color
R_{YB}	115, 101, 130
Decimal	7562626
CIE _{Lab}	45.00, 11.59, -14.06
CIE _{LCh}	45, 18.216, 309.493
Yxy	14.5417, 0.2949, 0.2726
Android (android.graphics.Color)	4285752706 (0xFF736582)
YUV	108.4920, 10.6034, 5.7075
Hunter-Lab	38.1336, 6.8975, -9.1737

Details

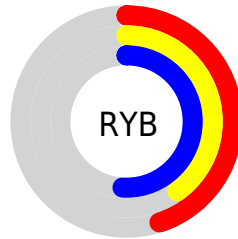
The CIELCh color $45, 18.216, 309.493$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $52, 17.667, 127.472$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 18.175, 309.287$, and $25, 18.637, 309.931$ is the 20% darker color. If you saturate the color by 10%, you get $41, 26.702, 310.016$, and if you desaturate by 10%, it is $49, 9.917, 309.000$.

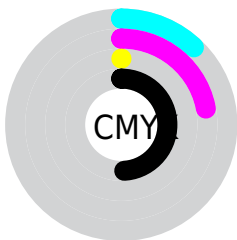
Distribution



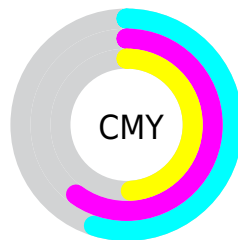
- Red (45%)
- Green (40%)
- Blue (51%)



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



- Cyan (12%)
- Magenta (22%)
- Yellow (0%)
- Black (49%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 18.216, 309.493 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, 18.216, 309.493 by changing the saturation by 10% instead.

 45, 18.216,
309.493


 45, 18.216,
309.493


 100, 18.216,
309.493


 35, 18.216,
309.493

 65, 18.216,
309.493


 25, 18.216,
309.493

 75, 18.216,
309.493

 15, 18.216,
309.493

 85, 18.216,
309.493

 5, 18.216, 309.493

 95, 18.216,
309.493

 0, 18.216, 309.493

 45, 18.216,

 45, 18.216,

309.493

309.493

41, 26.702,
310.016

49, 9.917, 309.000

37, 35.312,
310.559

53, 1.844, 308.516

58, 5.993, 128.170

33, 43.921,
311.095

62, 13.593,
127.801

29, 52.317,
311.583

66, 20.960,
127.479

26, 60.164,
311.958

70, 28.103,
127.197

23, 66.986,
312.130

74, 35.033,
126.951

20, 72.218,
311.992

78, 41.762,
126.737

19, 75.701,
311.844

82, 48.300,

Harmonies

Complementary

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



45, 18.216, 309.493



52, 17.667, 127.472

Rectangle

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



45, 18.216, 309.493



45, 18.216, 359.493



45, 18.216, 129.493



45, 18.216, 179.493

Sweetspot

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



45, 18.215, 309.492



65, 6.916, 308.757



48, 9.681, 254.767



33, 4.475, 308.778



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, 18.215, 309.492



55, 27.413, 309.767



46, 20.411, 324.669



25, 4.449, 308.847



18, 74.666, 311.865



0, 0.000, 0.000

Inverse Universe

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



46, 14.804, 344.587



57, 22.199, 345.102



51, 20.372, 142.225



25, 3.636, 343.399



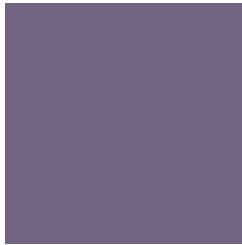
27, 51.036, 358.982



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 18.216, 309.493 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, 18.216, 309.493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

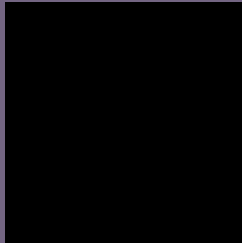
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 18.216, 309.493

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.216, 309.493.



This preview shows how white text looks on a background with the CIELCh color 45, 18.216, 309.493.

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, 18.216, 309.493

Protanopia

45, 16.773, 286.273

Deuteranopia

45, 14.979, 295.116



Tritanopia
45, 5.806, 324.783

Trichromacy



Original Color
45, 18.216, 309.493

Protanomaly
45, 16.747, 293.753

Deuteranomaly
45, 15.757, 300.577

Tritanomaly
45, 10.398, 313.840

Monochromacy



Original Color
45, 18.216, 309.493

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, 18.216, 309.493 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(115, 101, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 101, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.216, 309.493 is called "border". The border property can be set on classes, ids or directly on the HTML element.

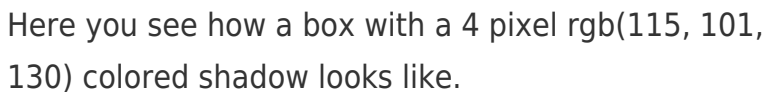
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 101, 130) }
```

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

```
.border{ border-color:rgb(115, 101, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 101, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 101, 130); box-shadow:4px 4px 4px 4px rgb(115, 101, 130) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.216, 309.493 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, 130) }
```

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

```
.background{ background-color: rgb(115,  
101, 130) }
```

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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