

Converting Colors

CIELCh(45, 19.050, 319.011)

Have a look what the booklet for
CIELCh(45, 19.050, 319.011)
contains.

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Color

CIELCh(45, 18.847, 319.307)

Conversions

Conversions Part 1

Format	Color
Hex	79637F
RGB	121, 99, 127
RGB Percent	47%, 39%, 50%
CMY	0.5252, 0.6115, 0.5017
CMYK	0.05, 0.22, 0.00, 0.50
HSL	287°, 12%, 44%
HSV	287°, 22%, 50%
XYZ	16.1997, 14.5417, 22.0571
YIQ	108.7700, 4.1240, 13.3720

Conversions

Conversions Part 2

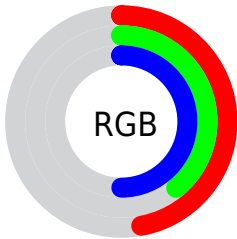
Format	Color
R_{YB}	121, 99, 127
Decimal	7955327
CIE _{Lab}	45.00, 14.29, -12.29
CIE _{LCh}	45, 18.847, 319.307
Yxy	14.5417, 0.3068, 0.2754
Android (android.graphics.Color)	4286145407 (0xFF79637F)
YUV	108.7700, 8.9874, 10.7257
Hunter-Lab	38.1336, 9.0956, -7.6008

Details

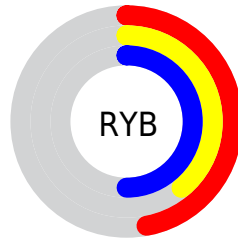
The CIELCh color $45, 18.847, 319.307$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $51, 18.643, 137.347$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 18.956, 319.533$, and $25, 19.062, 319.193$ is the 20% darker color. If you saturate the color by 10%, you get $41, 27.506, 319.731$, and if you desaturate by 10%, it is $49, 10.219, 318.873$.

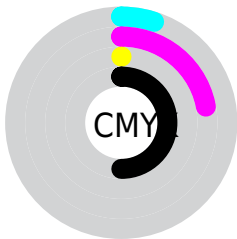
Distribution



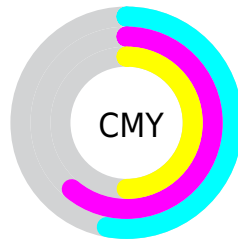
- Red (47%)
- Green (39%)
- Blue (50%)



- Red (47%)
- Yellow (39%)
- Blue (50%)



- Cyan (5%)
- Magenta (22%)
- Yellow (0%)
- Black (50%)





- Cyan (53%)
- Magenta (61%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 18.847, 319.307 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, 18.847, 319.307 by changing the saturation by 10% instead.


 45, 18.847,
319.307


 45, 18.847,
319.307


 100, 18.847,
319.307


 35, 18.847,
319.307

 65, 18.847,
319.307


 25, 18.847,
319.307

 75, 18.847,
319.307

 15, 18.847,
319.307

 85, 18.847,
319.307

 5, 18.847, 319.307

 95, 18.847,
319.307

 0, 18.847, 319.307

 45, 18.847,

 45, 18.847,

319.307

41, 27.506,
319.731

38, 36.061,
320.130

35, 44.309,
320.480

32, 51.972,
320.750

29, 58.706,
320.900

27, 64.134,
320.888

26, 67.942,
320.672

24, 70.357,
320.438

319.307

49, 10.219,
318.873

52, 1.716, 318.382

56, 6.609, 138.086

60, 14.726,
137.691

64, 22.622,
137.330

68, 30.292,
136.997

72, 37.740,
136.692

75, 44.972,
136.412

■ 79, 51.997,
136.158

Harmonies

Complementary

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



45, 18.847, 319.307



51, 18.643, 137.347

Rectangle

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



45, 18.847, 319.307



45, 18.847, 9.307



45, 18.847, 139.307



45, 18.847, 189.307

Sweetspot

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



45, 18.845, 319.307



65, 7.356, 318.657



45, 13.244, 282.203



34, 4.819, 318.678



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, 18.845, 319.307



56, 27.696, 319.503



45, 16.428, 335.073



25, 4.787, 318.744



25, 70.527, 320.435



0, 0.000, 0.000

Inverse Universe

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



45, 12.336, 4.333



56, 18.267, 4.901



51, 16.303, 152.043



25, 3.069, 2.914



26, 54.254, 26.432



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 18.847, 319.307 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, 18.847, 319.307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

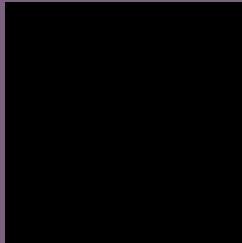
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 18.847, 319.307

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.847, 319.307.



This preview shows how white text looks on a background with the CIELCh color 45, 18.847, 319.307.

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, 18.847, 319.307

Protanopia

45, 15.567, 285.560

Deuteranopia

45, 13.225, 296.953



Tritanopia
45, 8.493, 346.428

Trichromacy



Original Color
45, 18.847, 319.307

Protanomaly
45, 16.297, 299.008

Deuteranomaly
45, 14.926, 307.049

Tritanomaly
45, 11.825, 331.838

Monochromacy



Original Color
45, 18.847, 319.307

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 7.337, 316.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 18.847, 319.307 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(121, 99, 127)` looks like.

```
.text, #text, p{  
    color:rgb(121, 99, 127)  
}
```

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(121, 99, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 99, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.847, 319.307 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(121, 99, 127) }
```

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

```
.border{ border-color:rgb(121, 99, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 99, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 99, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 99, 127); box-shadow:4px 4px 4px 4px rgb(121, 99, 127) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.847, 319.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 99, 127) }
```

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

```
.background{ background-color: rgb(121, 99,  
127) }
```

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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