

Converting Colors

CIELCh(45, 19.366, 333.291)

Have a look what the booklet for
CIELCh(45, 19.366, 333.291)
contains.

CIELCh(45, 19.175, 333.932)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 19.175, 333.932)

Conversions

Conversions Part 1

Format	Color
Hex	816179
RGB	129, 97, 121
RGB Percent	51%, 38%, 47%
CMY	0.4949, 0.6203, 0.5263
CMYK	0.00, 0.25, 0.06, 0.49
HSL	315°, 14%, 44%
HSV	315°, 25%, 51%
XYZ	16.7196, 14.5417, 19.9521
YIQ	109.3040, 11.3680, 14.2480

Conversions

Conversions Part 2

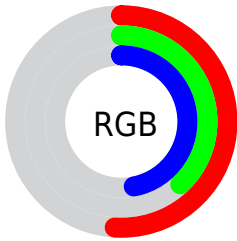
Format	Color
R_{YB}	129, 97, 121
Decimal	8479097
CIE _{Lab}	45.00, 17.22, -8.43
CIE _{LCh}	45, 19.175, 333.932
Yxy	14.5417, 0.3265, 0.2839
Android (android.graphics.Color)	4286669177 (0xFF816179)
YUV	109.3040, 5.7661, 17.2734
Hunter-Lab	38.1336, 11.5291, -4.3280

Details

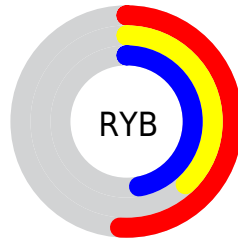
The CIELCh color $45, 19.175, 333.932$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $51, 19.050, 150.559$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 18.905, 334.128$, and $25, 19.017, 334.274$ is the 20% darker color. If you saturate the color by 10%, you get $42, 26.843, 334.639$, and if you desaturate by 10%, it is $49, 11.414, 333.255$.

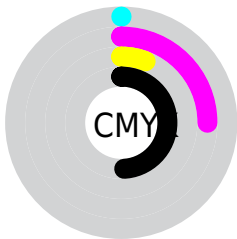
Distribution



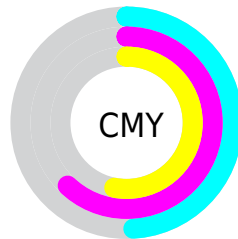
- Red (51%)
- Green (38%)
- Blue (47%)



- Red (51%)
- Yellow (38%)
- Blue (47%)



- Cyan (0%)
- Magenta (25%)
- Yellow (6%)
- Black (49%)





- Cyan (49%)
- Magenta (62%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 19.175, 333.932 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, 19.175, 333.932 by changing the saturation by 10% instead.


 45, 19.175,
333.932


 45, 19.175,
333.932


 100, 19.175,
333.932


 35, 19.175,
333.932

 65, 19.175,
333.932


 25, 19.175,
333.932

 75, 19.175,
333.932

 15, 19.175,
333.932

 85, 19.175,
333.932

 5, 19.175, 333.932

 95, 19.175,
333.932

 0, 19.175, 333.932

 45, 19.175,

 45, 19.175,

333.932

42, 26.843,
334.639

39, 34.234,
335.381

36, 41.093,
336.168

33, 47.107,
337.016

31, 51.939,
337.949

30, 55.296,
339.003

29, 57.085,
340.218

28, 57.820,
340.861

333.932

49, 11.414,
333.255

52, 3.696, 332.575

56, 3.896, 152.091

60, 11.311,
151.475

63, 18.524,
150.919

67, 25.524,
150.397

71, 32.311,
149.905

75, 38.891,
149.441

■ 79, 45.274,
149.003

Harmonies

Complementary

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



45, 19.175, 333.932



51, 19.050, 150.559

Rectangle

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



45, 19.175, 333.932



45, 19.175, 23.932



45, 19.175, 153.932



45, 19.175, 203.932

Sweetspot

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



45, 19.173, 333.933



66, 6.669, 332.741



43, 19.560, 301.048



34, 4.314, 332.771



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, 19.173, 333.933



56, 28.811, 334.343



45, 14.387, 0.832



25, 4.285, 332.872



28, 57.407, 340.845



0, 0.000, 0.000

Inverse Universe

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



45, 19.173, 333.933



56, 28.811, 334.343



51, 13.301, 176.042



25, 4.285, 332.872



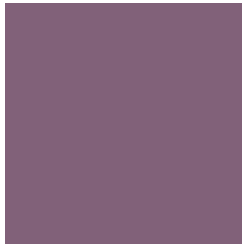
28, 57.407, 340.845



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 19.175, 333.932 looks on a white background.

Color Contrast Check

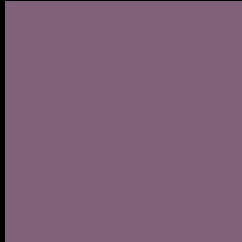
Large Text (above 18pt) WCAG AA ✓ Pass

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, 19.175, 333.932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

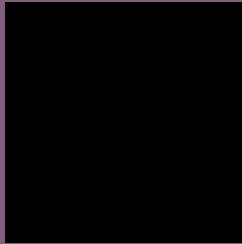
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 19.175, 333.932

Background



This preview shows how black text looks on a background with the CIELCh color 45, 19.175, 333.932.



This preview shows how white text looks on a background with the CIELCh color 45, 19.175, 333.932.

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, 19.175, 333.932

Protanopia

45, 12.584, 285.074

Deuteranopia

45, 9.418, 308.452



Tritanopia
45, 12.655, 359.130

Trichromacy



Original Color
45, 19.175, 333.932

Protanomaly
45, 13.655, 306.705

Deuteranomaly
45, 13.064, 320.737

Tritanomaly
45, 14.895, 347.553

Monochromacy



Original Color
45, 19.175, 333.932

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 6.565, 333.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 19.175, 333.932 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(129, 97, 121)` looks like.

```
.text, #text, p{  
    color:rgb(129, 97, 121)  
}
```

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(129, 97, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 97, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 19.175, 333.932 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(129, 97, 121) }
```

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

```
.border{ border-color:rgb(129, 97, 121) }
```

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

Here you see how a box with a 4 pixel rgb(129, 97, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 97, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 97, 121);  
box-shadow:4px 4px 4px 4px rgb(129, 97,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 19.175, 333.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 97, 121) }
```

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

```
.background{ background-color: rgb(129, 97,  
121) }
```

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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