

Converting Colors

CIELCh(45, 17.728, 335.780)

Have a look what the booklet for
CIELCh(45, 17.728, 335.780)
contains.

CIELCh(45, 18.085, 335.521)	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, 18.085, 335.521)

Conversions

Conversions Part 1

Format	Color
Hex	806177
RGB	128, 97, 119
RGB Percent	50%, 38%, 47%
CMY	0.4970, 0.6186, 0.5323
CMYK	0.00, 0.24, 0.07, 0.50
HSL	317°, 14%, 44%
HSV	317°, 24%, 50%
XYZ	16.5830, 14.5417, 19.4648
YIQ	108.7770, 11.4140, 13.4140

Conversions

Conversions Part 2

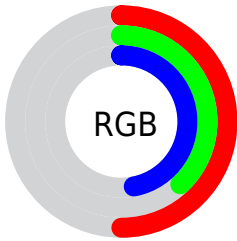
Format	Color
R_{YB}	128, 97, 119
Decimal	8413559
CIE _{Lab}	45.00, 16.46, -7.49
CIE _{LCh}	45, 18.085, 335.521
Yxy	14.5417, 0.3278, 0.2874
Android (android.graphics.Color)	4286603639 (0xFF806177)
YUV	108.7770, 5.0399, 16.8586
Hunter-Lab	38.1336, 10.8897, -3.5703

Details

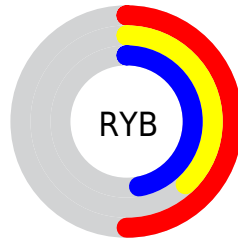
The CIELCh color $45, 18.085, 335.521$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $51, 17.930, 152.130$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 17.876, 335.657$, and $25, 18.300, 334.560$ is the 20% darker color. If you saturate the color by 10%, you get $42, 25.539, 336.272$, and if you desaturate by 10%, it is $49, 10.559, 334.810$.

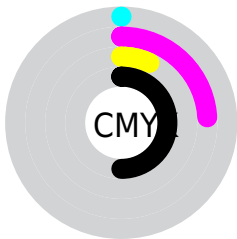
Distribution



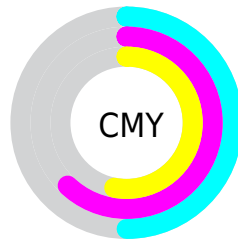
- Red (50%)
- Green (38%)
- Blue (47%)



- Red (50%)
- Yellow (38%)
- Blue (47%)



- Cyan (0%)
- Magenta (24%)
- Yellow (7%)
- Black (50%)





- Cyan (50%)
- Magenta (62%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 18.085, 335.521 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, 18.085, 335.521 by changing the saturation by 10% instead.


 45, 18.085,
335.521


 45, 18.085,
335.521


 100, 18.085,
335.521


 35, 18.085,
335.521

 65, 18.085,
335.521


 25, 18.085,
335.521

 75, 18.085,
335.521

 15, 18.085,
335.521

 85, 18.085,
335.521

 5, 18.085, 335.521

 95, 18.085,
335.521

 0, 18.085, 335.521

 45, 18.085,

 45, 18.085,

335.521

335.521

42, 25.539,
336.272

49, 10.559,
334.810

38, 32.748,
337.072

52, 3.090, 334.092

36, 39.465,
337.937

56, 4.246, 153.601

33, 45.386,
338.888

60, 11.405,
152.973

31, 50.175,
339.960

63, 18.362,
152.405

29, 53.533,
341.201

67, 25.111,
151.873

28, 55.325,
342.665

71, 31.651,
151.373

28, 56.119,
343.553

75, 37.992,
150.901

■ 79, 44.142,
150.457

Harmonies

Complementary

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



45, 18.085, 335.521



51, 17.930, 152.130

Rectangle

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



45, 18.085, 335.521



45, 18.085, 25.521



45, 18.085, 155.521



45, 18.085, 205.521

Sweetspot

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



45, 18.083, 335.522



65, 6.398, 334.318



43, 19.045, 302.735



34, 4.191, 334.350



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, 18.083, 335.522



55, 26.756, 335.928



45, 13.713, 4.418



25, 4.163, 334.455



28, 55.885, 343.542



0, 0.000, 0.000

Inverse Universe

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



45, 18.083, 335.522



55, 26.756, 335.928



51, 12.534, 179.849



25, 4.163, 334.455



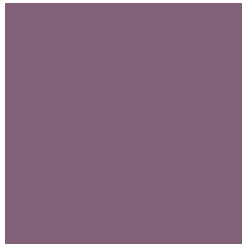
28, 55.885, 343.542



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 18.085, 335.521 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, 18.085, 335.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

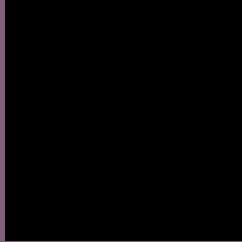
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 18.085, 335.521

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.085, 335.521.



This preview shows how white text looks on a background with the CIELCh color 45, 18.085, 335.521.

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, 18.085, 335.521

Protanopia

45, 11.369, 286.018

Deuteranopia

45, 8.985, 311.996



Tritanopia
45, 12.655, 359.130

Trichromacy



Original Color
45, 18.085, 335.521

Protanomaly
45, 12.511, 308.057

Deuteranomaly
45, 11.544, 325.134

Tritanomaly
45, 14.254, 348.576

Monochromacy



Original Color
45, 18.085, 335.521

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, 18.085, 335.521 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(128, 97, 119)` looks like.

```
.text, #text, p{  
    color:rgb(128, 97, 119)  
}
```

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(128, 97, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 97, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.085, 335.521 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(128, 97, 119) }
```

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

```
.border{ border-color:rgb(128, 97, 119) }
```

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

Here you see how a box with a 4 pixel rgb(128, 97, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 97, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 97, 119);  
box-shadow:4px 4px 4px 4px rgb(128, 97,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.085, 335.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 97, 119) }
```

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

```
.background{ background-color: rgb(128, 97,  
119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor