

Converting Colors

CIELCh(45, 17.555, 336.571)

Have a look what the booklet for
CIELCh(45, 17.555, 336.571)
contains.

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Color

CIELCh(45, 17.685, 336.897)

Conversions

Conversions Part 1

Format	Color
Hex	806176
RGB	128, 97, 118
RGB Percent	50%, 38%, 46%
CMY	0.4967, 0.6183, 0.5359
CMYK	0.00, 0.24, 0.08, 0.50
HSL	319°, 14%, 44%
HSV	319°, 24%, 50%
XYZ	16.5487, 14.5417, 19.1789
YIQ	108.6630, 11.7350, 13.1030

Conversions

Conversions Part 2

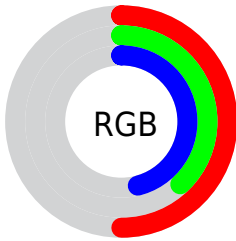
Format	Color
R_{YB}	128, 97, 118
Decimal	8413558
CIE _{Lab}	45.00, 16.27, -6.94
CIE _{LCh}	45, 17.685, 336.897
Yxy	14.5417, 0.3292, 0.2893
Android (android.graphics.Color)	4286603638 (0xFF806176)
YUV	108.6630, 4.6031, 16.9585
Hunter-Lab	38.1336, 10.7292, -3.1258

Details

The CIELCh color $45, 17.685, 336.897$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $51, 17.496, 153.404$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 17.501, 336.956$, and $25, 17.859, 336.039$ is the 20% darker color. If you saturate the color by 10%, you get $42, 24.992, 337.688$, and if you desaturate by 10%, it is $49, 10.317, 336.155$.

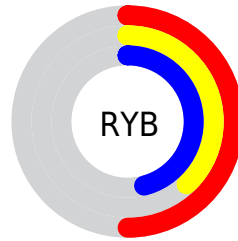
Distribution



Red (50%)

Green (38%)

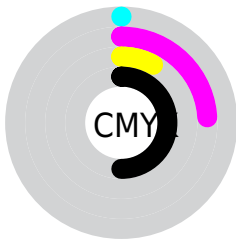
Blue (46%)



Red (50%)

Yellow (38%)

Blue (46%)

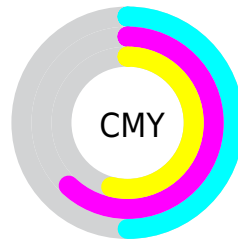


Cyan (0%)

Magenta (24%)

Yellow (8%)

Black (50%)



Cyan (50%)


Magenta (62%)

Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 17.685, 336.897 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, 17.685, 336.897 by changing the saturation by 10% instead.

 45, 17.685,
336.897


 45, 17.685,
336.897


 100, 17.685,
336.897


 35, 17.685,
336.897

 65, 17.685,
336.897


 25, 17.685,
336.897

 75, 17.685,
336.897

 15, 17.685,
336.897

 85, 17.685,
336.897

 5, 17.685, 336.897

 95, 17.685,
336.897

 0, 17.685, 336.897

 45, 17.685,

 45, 17.685,

336.897

336.897

42, 24.992,
337.688

49, 10.317,
336.155

38, 32.066,
338.541

52, 3.011, 335.410

36, 38.666,
339.476

56, 4.159, 154.908

33, 44.489,
340.521

60, 11.149,
154.263

31, 49.200,
341.719

63, 17.940,
153.683

29, 52.499,
343.130


67, 24.523,
153.140

28, 54.252,
344.820

71, 30.902,
152.631

28, 55.032,
345.852

75, 37.083,
152.153

 79, 43.078,
151.702

Harmonies

Complementary

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



45, 17.685, 336.897



51, 17.496, 153.404

Rectangle

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



45, 17.685, 336.897



45, 17.685, 26.897



45, 17.685, 156.897



45, 17.685, 206.897

Sweetspot

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



45, 17.683, 336.898



65, 6.251, 335.646



43, 19.115, 303.892



34, 4.095, 335.679



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, 17.683, 336.898



55, 26.172, 337.325



45, 13.596, 6.926



25, 4.068, 335.788



27, 54.778, 345.837



0, 0.000, 0.000

Inverse Universe

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



45, 17.683, 336.898



55, 26.172, 337.325



51, 12.307, 182.464



25, 4.068, 335.788



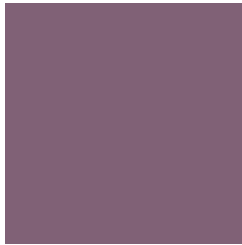
27, 54.778, 345.837



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 17.685, 336.897 looks on a white background.

Color Contrast Check

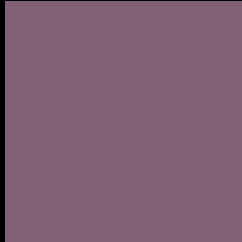
Large Text (above 18pt) WCAG AA ✓ Pass

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, 17.685, 336.897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

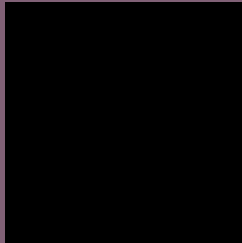
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 17.685, 336.897

Background



This preview shows how black text looks on a background with the CIELCh color 45, 17.685, 336.897.



This preview shows how white text looks on a background with the CIELCh color 45, 17.685, 336.897.

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, 17.685, 336.897

Protanopia

45, 10.777, 285.597

Deuteranopia

45, 8.433, 313.424



Tritanopia
45, 12.655, 359.130

Trichromacy



Original Color
45, 17.685, 336.897

Protanomaly
45, 11.942, 308.841

Deuteranomaly
45, 11.063, 326.877

Tritanomaly
45, 14.254, 348.576

Monochromacy



Original Color
45, 17.685, 336.897

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 6.152, 337.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 17.685, 336.897 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(128, 97, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 97, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 17.685, 336.897 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, 118) }
```

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

```
.border{ border-color:rgb(128, 97, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 97, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 97, 118);  
box-shadow:4px 4px 4px 4px rgb(128, 97,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 17.685, 336.897 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, 118) }
```

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

```
.background{ background-color: rgb(128, 97,  
118) }
```

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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