

Converting Colors

CIELCh(45, 9.885, 1.219)

Have a look what the booklet for
CIELCh(45, 9.885, 1.219) contains.

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Color

CIELCh(45, 9.699, 2.880)

Conversions

Conversions Part 1

Format	Color
Hex	7B656A
RGB	123, 101, 106
RGB Percent	48%, 40%, 42%
CMY	0.5179, 0.6041, 0.5845
CMYK	0.00, 0.18, 0.14, 0.52
HSL	346°, 10%, 44%
HSV	346°, 18%, 48%
XYZ	15.4060, 14.5417, 15.6144
YIQ	108.1480, 11.5070, 6.2190

Conversions

Conversions Part 2

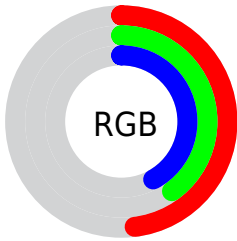
Format	Color
R_{YB}	123, 101, 106
Decimal	8086890
CIE Lab	45.00, 9.69, 0.49
CIE LCh	45, 9.699, 2.880
Yxy	14.5417, 0.3381, 0.3192
Android (android.graphics.Color)	4286276970 (0xFF7B656A)
YUV	108.1480, -1.0590, 13.0252
Hunter-Lab	38.1336, 5.3805, 2.4163

Details

The CIELCh color $45, 9.699, 2.880$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 9.106, 179.655$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 9.759, 3.877$, and $25, 9.858, 2.086$ is the 20% darker color. If you saturate the color by 10%, you get $41, 15.438, 4.093$, and if you desaturate by 10%, it is $49, 4.179, 1.821$.

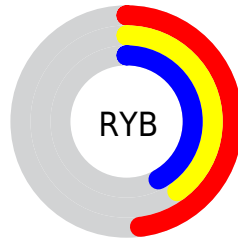
Distribution



Red (48%)

Green (40%)

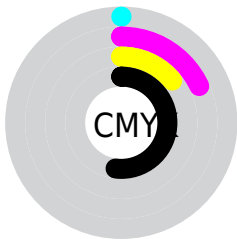
Blue (42%)



Red (48%)

Yellow (40%)

Blue (42%)

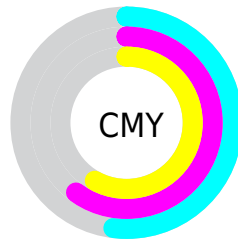


Cyan (0%)

Magenta (18%)

Yellow (14%)

Black (52%)



Cyan (52%)

Magenta (60%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 9.699, 2.880 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, 9.699, 2.880 by changing the saturation by 10% instead.

45, 9.699, 2.880

45, 9.699, 2.880

100, 9.699, 2.880

35, 9.699, 2.880

65, 9.699, 2.880

25, 9.699, 2.880

75, 9.699, 2.880

15, 9.699, 2.880

85, 9.699, 2.880

5, 9.699, 2.880

95, 9.699, 2.880

0, 9.699, 2.880

45, 9.699, 2.880

45, 9.699, 2.880

41, 15.438, 4.093

49, 4.179, 1.821

38, 21.337, 5.525

52, 1.086, 181.349

35, 27.281, 7.263

56, 6.091, 180.312

■ 32, 33.103, 9.410

■ 60, 10.843,
179.603

■ 29, 38.590, 12.096

■ 64, 15.358,
178.980

■ 27, 43.524, 15.462

■ 26, 47.759, 19.614

■ 68, 19.654,
178.421

■ 25, 51.525, 24.261

■ 71, 23.751,
177.914

■ 25, 52.373, 25.162

■ 75, 27.668,
177.450

■ 79, 31.422,
177.024

Harmonies

Complementary

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



45, 9.699, 2.880



50, 9.106, 179.655

Rectangle

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



45, 9.699, 2.880



45, 9.699, 52.880



45, 9.699, 182.880



45, 9.699, 232.880

Sweetspot

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



45, 9.698, 2.886



64, 3.275, 1.519



45, 14.778, 318.539



33, 2.255, 1.586



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 9.698, 2.886



57, 14.281, 3.302



46, 7.735, 46.587



24, 2.980, 1.944



25, 53.025, 25.266



53, 91.493, 28.514

Inverse Universe

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



45, 9.698, 2.886



57, 14.281, 3.302



48, 6.979, 228.652



24, 2.980, 1.944



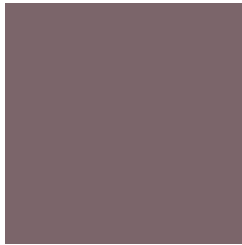
25, 53.025, 25.266



53, 91.493, 28.514

Previews

White Background



This preview shows how the CIELCh color 45, 9.699, 2.880 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 CIE LCh color 45, 9.699, 2.880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

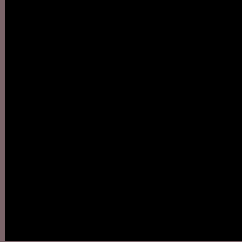
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 9.699, 2.880

Background



This preview shows how black text looks on a background with the CIELCh color 45, 9.699, 2.880.



This preview shows how white text looks on a background with the CIELCh color 45, 9.699, 2.880.

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, 9.699, 2.880

Protanopia

45, 1.980, 314.720

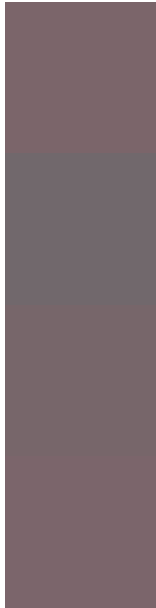
Deuteranopia

45, 6.113, 3.202



Tritanopia
45, 10.072, 356.387

Trichromacy



Original Color

45, 9.699, 2.880

Protanomaly

45, 4.427, 347.351

Deuteranomaly

45, 7.499, 1.889

Tritanomaly

45, 9.869, 359.571

Monochromacy



Original Color

45, 9.699, 2.880

Achromatopsia

46, 0.006, 296.813

Achromatomaly

45, 3.526, 0.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 9.699, 2.880 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(123, 101, 106)` looks like.

```
.text, #text, p{  
    color:rgb(123, 101, 106)  
}
```

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(123, 101, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 101, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 9.699, 2.880 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(123, 101, 106) }
```

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

```
.border{ border-color:rgb(123, 101, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 101, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 101, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 101, 106);  
box-shadow:4px 4px 4px 4px rgb(123, 101,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 9.699, 2.880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 101, 106) }
```

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

```
.background{ background-color: rgb(123,  
101, 106) }
```

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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