

Converting Colors

CIELCh(45, 12.271, 329.998)

Have a look what the booklet for
CIELCh(45, 12.271, 329.998)
contains.

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Color

CIELCh(45, 12.271, 329.998)

Conversions

Conversions Part 1

Format	Color
Hex	786575
RGB	120, 101, 117
RGB Percent	47%, 40%, 46%
CMY	0.5300, 0.6045, 0.5418
CMYK	0.00, 0.16, 0.03, 0.53
HSL	309°, 9%, 43%
HSV	309°, 16%, 47%
XYZ	15.5660, 14.5417, 18.7695
YIQ	108.5050, 6.1880, 9.0040

Conversions

Conversions Part 2

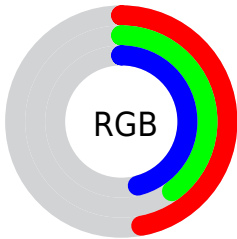
Format	Color
R_{YB}	120, 101, 117
Decimal	7890293
CIE _{Lab}	45.00, 10.63, -6.14
CIE _{LCh}	45, 12.271, 329.998
Yxy	14.5417, 0.3185, 0.2975
Android (android.graphics.Color)	4286080373 (0xFF786575)
YUV	108.5050, 4.1880, 10.0811
Hunter-Lab	38.1336, 6.1291, -2.4892

Details

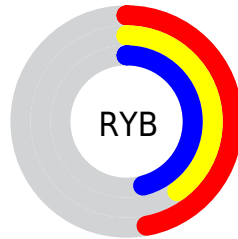
The CIELCh color $45, 12.271, 329.998$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 12.237, 148.117$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 12.142, 329.506$, and $25, 12.390, 329.060$ is the 20% darker color. If you saturate the color by 10%, you get $42, 20.054, 330.602$, and if you desaturate by 10%, it is $48, 4.502, 329.388$.

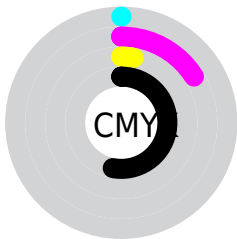
Distribution



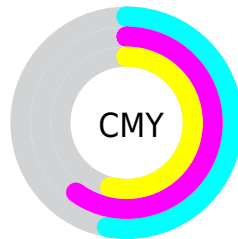
- Red (47%)
- Green (40%)
- Blue (46%)



- Red (47%)
- Yellow (40%)
- Blue (46%)



- Cyan (0%)
- Magenta (16%)
- Yellow (3%)
- Black (53%)




- Cyan (53%)
- Magenta (60%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 12.271, 329.998 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, 12.271, 329.998 by changing the saturation by 10% instead.

 45, 12.271,
329.998


 45, 12.271,
329.998


 100, 12.271,
329.998


 35, 12.271,
329.998

 65, 12.271,
329.998


 25, 12.271,
329.998

 75, 12.271,
329.998

 15, 12.271,
329.998

 85, 12.271,
329.998

 5, 12.271, 329.998

 95, 12.271,
329.998

 0, 12.271, 329.998

 45, 12.271,

 45, 12.271,

329.998

329.998

42, 20.054,
330.602

48, 4.502, 329.388

39, 27.722,
331.212

52, 3.158, 148.935

36, 35.082,
331.829

55, 10.655,
148.348

33, 41.886,
332.452

59, 17.957,
147.822

31, 47.839,
333.080

62, 25.050,
147.324

29, 52.630,
333.720

66, 31.931,
146.853

28, 56.000,
334.385

70, 38.604,
146.408

27, 57.971,
335.088

73, 45.077,
145.988

■ 27, 58.713,
335.377

■ 77, 51.361,
145.591

Harmonies

Complementary

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



45, 12.271, 329.998



48, 12.237, 148.117

Rectangle

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



45, 12.271, 329.998



45, 12.271, 19.998



45, 12.271, 149.998



45, 12.271, 199.998

Sweetspot

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



45, 12.269, 329.999



62, 4.764, 329.340



44, 11.494, 297.296



32, 3.276, 329.378



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 12.269, 329.999



56, 18.234, 330.216



45, 8.847, 354.021



23, 4.266, 329.587



27, 59.591, 335.396



57, 100.379, 335.865

Inverse Universe

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



45, 12.269, 329.999



56, 18.234, 330.216



49, 8.533, 171.216



23, 4.266, 329.587



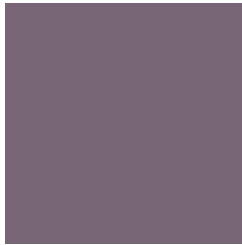
27, 59.591, 335.396



57, 100.379, 335.865

Previews

White Background



This preview shows how the CIELCh color 45, 12.271, 329.998 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, 12.271, 329.998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

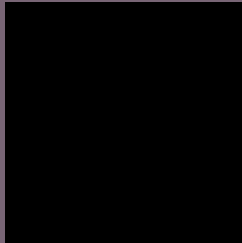
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 12.271, 329.998

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.271, 329.998.



This preview shows how white text looks on a background with the CIELCh color 45, 12.271, 329.998.

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, 12.271, 329.998

Protanopia

45, 8.357, 288.685

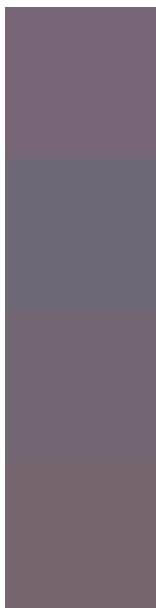
Deuteranopia

45, 7.887, 315.063



Tritanopia
45, 8.493, 346.428

Trichromacy



Original Color
45, 12.271, 329.998

Protanomaly
45, 9.308, 306.112

Deuteranomaly
45, 9.179, 322.872

Tritanomaly
45, 9.188, 340.218

Monochromacy



Original Color
45, 12.271, 329.998

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.601, 328.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.271, 329.998 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(120, 101, 117)` looks like.

```
.text, #text, p{  
    color:rgb(120, 101, 117)  
}
```

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(120, 101, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 101, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.271, 329.998 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(120, 101, 117) }
```

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

```
.border{ border-color:rgb(120, 101, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 101, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 101, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 101, 117);  
box-shadow:4px 4px 4px 4px rgb(120, 101,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.271, 329.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 101, 117) }
```

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

```
.background{ background-color: rgb(120,  
101, 117) }
```

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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