

Converting Colors

CIELCh(45, 12.808, 331.092)

Have a look what the booklet for
CIELCh(45, 12.808, 331.092)
contains.

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Color

CIELCh(45, 12.526, 331.503)

Conversions

Conversions Part 1

Format	Color
Hex	796575
RGB	121, 101, 117
RGB Percent	47%, 40%, 46%
CMY	0.5271, 0.6055, 0.5428
CMYK	0.00, 0.17, 0.03, 0.53
HSL	312°, 9%, 43%
HSV	312°, 17%, 47%
XYZ	15.6312, 14.5417, 18.6889
YIQ	108.8040, 6.7840, 9.2160

Conversions

Conversions Part 2

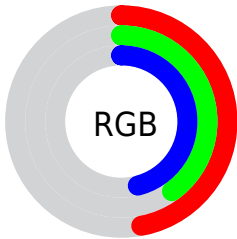
Format	Color
R_{YB}	121, 101, 117
Decimal	7955829
CIE _{Lab}	45.00, 11.01, -5.98
CIE _{LCh}	45, 12.526, 331.503
Yxy	14.5417, 0.3199, 0.2976
Android (android.graphics.Color)	4286145909 (0xFF796575)
YUV	108.8040, 4.0406, 10.6959
Hunter-Lab	38.1336, 6.4344, -2.3639

Details

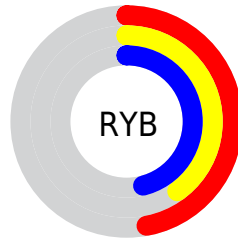
The CIELCh color $45, 12.526, 331.503$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 12.479, 149.463$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 12.381, 330.916$, and $25, 12.652, 330.754$ is the 20% darker color. If you saturate the color by 10%, you get $42, 20.125, 332.139$, and if you desaturate by 10%, it is $48, 4.938, 330.871$.

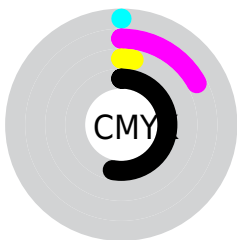
Distribution



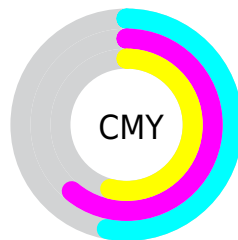
- Red (47%)
- Green (40%)
- Blue (46%)



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



- Cyan (0%)
- Magenta (17%)
- Yellow (3%)
- Black (53%)




- Cyan (53%)
- Magenta (61%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 12.526, 331.503 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, 12.526, 331.503 by changing the saturation by 10% instead.


 45, 12.526,
331.503


 45, 12.526,
331.503


 100, 12.526,
331.503


 35, 12.526,
331.503

 65, 12.526,
331.503


 25, 12.526,
331.503

 75, 12.526,
331.503

 15, 12.526,
331.503


 85, 12.526,
331.503

 5, 12.526, 331.503

 95, 12.526,
331.503

 0, 12.526, 331.503

 45, 12.526,

 45, 12.526,

331.503

42, 20.125,
332.139

39, 27.605,
332.791

36, 34.774,
333.462

33, 41.380,
334.156

31, 47.124,
334.880

29, 51.693,
335.649

28, 54.829,
336.486

27, 56.614,
337.403

331.503

48, 4.938, 330.871

52, 2.543, 150.415

55, 9.865, 149.794

59, 16.996,
149.252

63, 23.923,
148.742

66, 30.643,
148.260

70, 37.160,
147.804

73, 43.482,
147.374

77, 49.619,

■ 26, 57.184,
337.716

146.968

Harmonies

Complementary

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



45, 12.526, 331.503



49, 12.479, 149.463

Rectangle

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



45, 12.526, 331.503



45, 12.526, 21.503



45, 12.526, 151.503



45, 12.526, 201.503

Sweetspot

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



45, 12.524, 331.504



62, 4.623, 330.773



44, 12.127, 298.572



32, 3.180, 330.812



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, 12.524, 331.504



56, 18.643, 331.750



45, 9.154, 356.345



24, 4.291, 331.033



28, 58.629, 337.758



57, 97.935, 338.389

Inverse Universe

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



45, 12.524, 331.504



56, 18.643, 331.750



49, 8.771, 173.364



24, 4.291, 331.033



28, 58.629, 337.758



57, 97.935, 338.389

Previews

White Background



This preview shows how the CIELCh color 45, 12.526, 331.503 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, 12.526, 331.503 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, 12.526, 331.503

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.526, 331.503.



This preview shows how white text looks on a background with the CIELCh color 45, 12.526, 331.503.

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, 12.526, 331.503

Protanopia

45, 8.357, 288.685

Deuteranopia

45, 8.059, 317.698



Tritanopia
45, 8.840, 348.016

Trichromacy



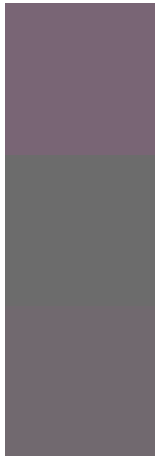
Original Color
45, 12.526, 331.503

Protanomaly
45, 9.418, 308.452

Deuteranomaly
45, 9.398, 325.007

Tritanomaly
45, 10.201, 340.800

Monochromacy



Original Color
45, 12.526, 331.503

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.867, 332.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.526, 331.503 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(121, 101, 117)` looks like.

```
.text, #text, p{  
    color:rgb(121, 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(121, 101, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 101, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.526, 331.503 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(121, 101, 117) }
```

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

```
.border{ border-color:rgb(121, 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(121, 101, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 101, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 101, 117);  
box-shadow:4px 4px 4px 4px rgb(121, 101,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.526, 331.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 101, 117) }
```

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

```
.background{ background-color: rgb(121,  
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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