

Converting Colors

CIELCh(45, 12.161, 344.381)

Have a look what the booklet for
CIELCh(45, 12.161, 344.381)
contains.

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Color

CIELCh(45, 12.192, 345.250)

Conversions

Conversions Part 1

Format	Color
Hex	7C6470
RGB	124, 100, 112
RGB Percent	49%, 39%, 44%
CMY	0.5141, 0.6082, 0.5612
CMYK	0.00, 0.19, 0.10, 0.51
HSL	330°, 11%, 44%
HSV	330°, 19%, 49%
XYZ	15.7654, 14.5417, 17.2772
YIQ	108.5440, 10.4520, 8.8200

Conversions

Conversions Part 2

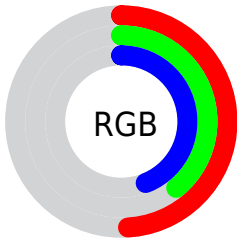
Format	Color
R_{YB}	124, 100, 112
Decimal	8152176
CIE _{Lab}	45.00, 11.79, -3.10
CIE _{LCh}	45, 12.192, 345.250
Yxy	14.5417, 0.3313, 0.3056
Android (android.graphics.Color)	4286342256 (0xFF7C6470)
YUV	108.5440, 1.7038, 13.5549
Hunter-Lab	38.1336, 7.0627, -0.1690

Details

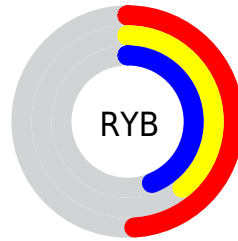
The CIELCh color $45, 12.192, 345.250$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 11.910, 162.052$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 12.327, 344.864$, and $25, 12.271, 346.045$ is the 20% darker color. If you saturate the color by 10%, you get $42, 18.609, 346.237$, and if you desaturate by 10%, it is $49, 5.834, 344.351$.

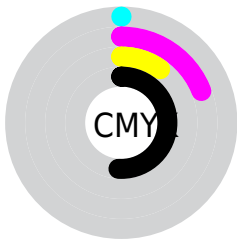
Distribution



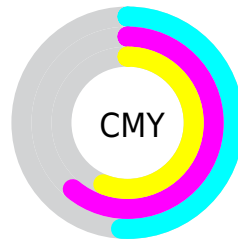
- Red (49%)
- Green (39%)
- Blue (44%)



- Red (49%)
- Yellow (39%)
- Blue (44%)



- Cyan (0%)
- Magenta (19%)
- Yellow (10%)
- Black (51%)





- Cyan (51%)
- Magenta (61%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 12.192, 345.250 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, 12.192, 345.250 by changing the saturation by 10% instead.


 45, 12.192,
345.250


 45, 12.192,
345.250


 100, 12.192,
345.250


 35, 12.192,
345.250

 65, 12.192,
345.250


 25, 12.192,
345.250

 75, 12.192,
345.250

 15, 12.192,
345.250

 85, 12.192,
345.250

 5, 12.192, 345.250

 95, 12.192,
345.250

 0, 12.192, 345.250

 45, 12.192,

 45, 12.192,

345.250

42, 18.609,
346.237

38, 24.972,
347.346

35, 31.100,
348.623

32, 36.754,
350.126

30, 41.643,
351.940

28, 45.467,
354.177

27, 48.012,
356.977

26, 49.699, 0.218

345.250

49, 5.834, 344.351

52, 0.385, 164.347

56, 6.427, 162.924

60, 12.272,
162.234

63, 17.916,
161.608

67, 23.363,
161.030

71, 28.623,
160.493

75, 33.708,
159.992

78, 38.630,

Harmonies

Complementary

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



45, 12.192, 345.250



50, 11.910, 162.052

Rectangle

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



45, 12.192, 345.250



45, 12.192, 35.250



45, 12.192, 165.250



45, 12.192, 215.250

Sweetspot

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



45, 12.190, 345.252



63, 4.606, 344.061



44, 15.189, 309.928



33, 3.081, 344.108



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, 12.190, 345.252



56, 17.967, 345.651



45, 10.294, 20.696



24, 3.473, 344.324



26, 50.113, 0.458



54, 83.988, 2.921

Inverse Universe

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



45, 12.190, 345.252



56, 17.967, 345.651



50, 9.121, 198.470



24, 3.473, 344.324



26, 50.113, 0.458



54, 83.988, 2.921

Previews

White Background



This preview shows how the CIELCh color 45, 12.192, 345.250 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, 12.192, 345.250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

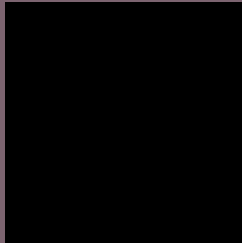
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 12.192, 345.250

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.192, 345.250.

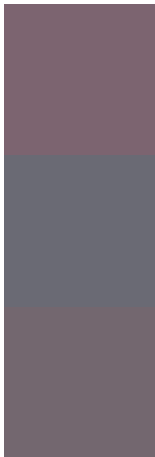


This preview shows how white text looks on a background with the CIELCh color 45, 12.192, 345.250.

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, 12.192, 345.250

Protanopia

45, 5.970, 291.020

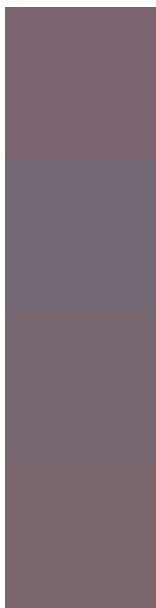
Deuteranopia

45, 6.874, 336.332



Tritanopia
45, 10.072, 356.387

Trichromacy



Original Color
45, 12.192, 345.250

Protanomaly
45, 7.535, 319.740

Deuteranomaly
45, 8.503, 341.430

Tritanomaly
45, 10.307, 353.343

Monochromacy



Original Color
45, 12.192, 345.250

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.420, 347.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.192, 345.250 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(124, 100, 112)` looks like.

```
.text, #text, p{  
    color:rgb(124, 100, 112)  
}
```

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(124, 100, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 100, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.192, 345.250 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(124, 100, 112) }
```

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

```
.border{ border-color:rgb(124, 100, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 100, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 100, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 100, 112);  
box-shadow:4px 4px 4px 4px rgb(124, 100,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.192, 345.250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 100, 112) }
```

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

```
.background{ background-color: rgb(124,  
100, 112) }
```

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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