

Converting Colors

CIELCh(45, 10.485, 349.891)

Have a look what the booklet for
CIELCh(45, 10.485, 349.891)
contains.

CIELCh(45, 10.212, 349.184)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 10.212, 349.184)

Conversions

Conversions Part 1

Format	Color
Hex	7A656E
RGB	122, 101, 110
RGB Percent	48%, 40%, 43%
CMY	0.5220, 0.6043, 0.5690
CMYK	0.00, 0.17, 0.10, 0.52
HSL	334°, 9%, 44%
HSV	334°, 17%, 48%
XYZ	15.4644, 14.5417, 16.7148
YIQ	108.3050, 9.6270, 7.2510

Conversions

Conversions Part 2

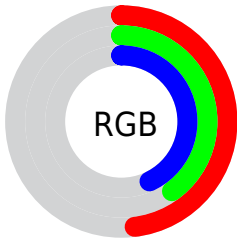
Format	Color
R_{YB}	122, 101, 110
Decimal	8021358
CIE _{Lab}	45.00, 10.03, -1.92
CIE _{LCh}	45, 10.212, 349.184
Yxy	14.5417, 0.3310, 0.3112
Android (android.graphics.Color)	4286211438 (0xFF7A656E)
YUV	108.3050, 0.8356, 12.0105
Hunter-Lab	38.1336, 5.6537, 0.7054

Details

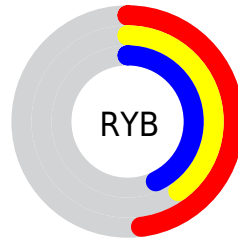
The CIELCh color $45, 10.212, 349.184$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 9.923, 166.228$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 10.464, 348.456$, and $25, 10.455, 347.225$ is the 20% darker color. If you saturate the color by 10%, you get $42, 16.306, 350.235$, and if you desaturate by 10%, it is $49, 4.225, 348.227$.

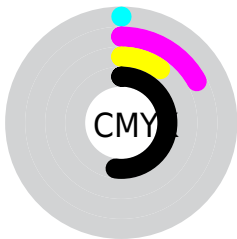
Distribution



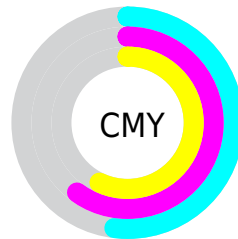
- Red (48%)
- Green (40%)
- Blue (43%)



- Red (48%)
- Yellow (40%)
- Blue (43%)



- Cyan (0%)
- Magenta (17%)
- Yellow (10%)
- Black (52%)





- Cyan (52%)
- Magenta (60%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 10.212, 349.184 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, 10.212, 349.184 by changing the saturation by 10% instead.


 45, 10.212,
349.184


 45, 10.212,
349.184


 100, 10.212,
349.184


 35, 10.212,
349.184

 65, 10.212,
349.184


 25, 10.212,
349.184

 75, 10.212,
349.184

 15, 10.212,
349.184


 85, 10.212,
349.184

 5, 10.212, 349.184

 95, 10.212,
349.184

 0, 10.212, 349.184

 45, 10.212,

 45, 10.212,

349.184

349.184

42, 16.306,
350.235

49, 4.225, 348.227

38, 22.416,
351.427

52, 1.593, 167.662

35, 28.390,
352.815

56, 7.217, 166.767

32, 34.020,
354.471

60, 12.635,
166.066

30, 39.040,
356.489

63, 17.850,
165.432

28, 43.169,
358.997

67, 22.870,
164.848

26, 46.190, 2.147

71, 27.708,
164.309

25, 48.280, 5.918

74, 32.375,
163.808

78, 36.887,

Harmonies

Complementary

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



45, 10.212, 349.184



49, 9.923, 166.228

Rectangle

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



45, 10.212, 349.184



45, 10.212, 39.184



45, 10.212, 169.184



45, 10.212, 219.184

Sweetspot

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



45, 10.210, 349.187



63, 3.609, 348.017



45, 13.469, 312.074



32, 2.450, 348.075



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, 10.210, 349.187



56, 15.479, 349.621



45, 8.412, 26.039



24, 3.315, 348.404



26, 49.773, 7.082



54, 83.950, 9.969

Inverse Universe

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



45, 10.210, 349.187



56, 15.479, 349.621



49, 7.539, 204.929



24, 3.315, 348.404



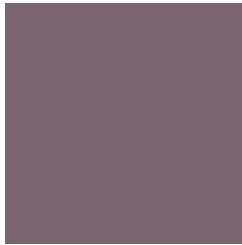
26, 49.773, 7.082



54, 83.950, 9.969

Previews

White Background



This preview shows how the CIELCh color 45, 10.212, 349.184 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, 10.212, 349.184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

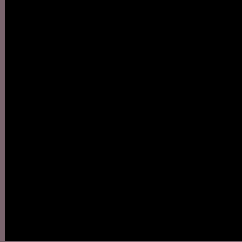
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 10.212, 349.184

Background



This preview shows how black text looks on a background with the CIELCh color 45, 10.212, 349.184.



This preview shows how white text looks on a background with the CIELCh color 45, 10.212, 349.184.

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, 10.212, 349.184

Protanopia

45, 4.205, 296.235

Deuteranopia

45, 6.463, 346.661



Tritanopia
45, 9.936, 352.150

Trichromacy



Original Color
45, 10.212, 349.184

Protanomaly
45, 5.806, 324.783

Deuteranomaly
45, 7.834, 348.289

Tritanomaly
45, 9.936, 352.150

Monochromacy



Original Color
45, 10.212, 349.184

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.078, 344.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 10.212, 349.184 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(122, 101, 110)` looks like.

```
.text, #text, p{  
    color:rgb(122, 101, 110)  
}
```

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(122, 101, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 101, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 10.212, 349.184 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(122, 101, 110) }
```

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

```
.border{ border-color:rgb(122, 101, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 101, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 101, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 101, 110);  
box-shadow:4px 4px 4px 4px rgb(122, 101,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 10.212, 349.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 101, 110) }
```

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

```
.background{ background-color: rgb(122,  
101, 110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor