

Converting Colors

CIELCh(45, 10.932, 319.268)

Have a look what the booklet for
CIELCh(45, 10.932, 319.268)
contains.

CIELCh(45, 10.927, 319.748)	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, 10.927, 319.748)

Conversions

Conversions Part 1

Format	Color
Hex	736676
RGB	115, 102, 118
RGB Percent	45%, 40%, 46%
CMY	0.5478, 0.5988, 0.5361
CMYK	0.03, 0.14, 0.00, 0.54
HSL	289°, 7%, 43%
HSV	289°, 14%, 46%
XYZ	15.1788, 14.5417, 19.2411
YIQ	107.7110, 2.6120, 7.7320

Conversions

Conversions Part 2

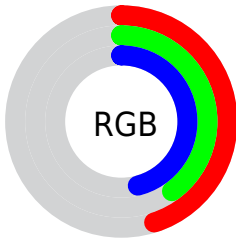
Format	Color
R_{YB}	115, 102, 118
Decimal	7562870
CIE Lab	45.00, 8.34, -7.06
CIE LCh	45, 10.927, 319.748
Yxy	14.5417, 0.3100, 0.2970
Android (android.graphics.Color)	4285752950 (0xFF736676)
YUV	107.7110, 5.0725, 6.3925
Hunter-Lab	38.1336, 4.3167, -3.2225

Details

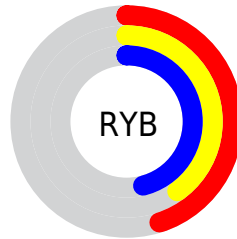
The CIELCh color $45, 10.927, 319.748$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 10.857, 138.580$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 10.870, 319.935$, and $25, 11.225, 319.648$ is the 20% darker color. If you saturate the color by 10%, you get $42, 19.119, 320.184$, and if you desaturate by 10%, it is $49, 2.829, 319.283$.

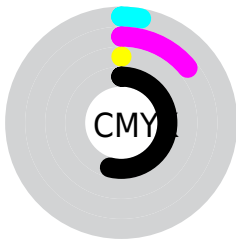
Distribution



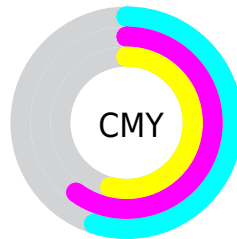
- Red (45%)
- Green (40%)
- Blue (46%)



- Red (45%)
- Yellow (40%)
- Blue (46%)



- Cyan (3%)
- Magenta (14%)
- Yellow (0%)
- Black (54%)





- Cyan (55%)
- Magenta (60%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 10.927, 319.748 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, 10.927, 319.748 by changing the saturation by 10% instead.


 45, 10.927,
319.748


 45, 10.927,
319.748


 100, 10.927,
319.748


 35, 10.927,
319.748

 65, 10.927,
319.748


 25, 10.927,
319.748

 75, 10.927,
319.748

 15, 10.927,
319.748

 85, 10.927,
319.748

 5, 10.927, 319.748

 95, 10.927,
319.748

 0, 10.927, 319.748

 45, 10.927,

 45, 10.927,

319.748

42, 19.119,
320.184

38, 27.316,
320.608

35, 35.372,
321.003

32, 43.086,
321.347

29, 50.187,
321.608

27, 56.351,
321.752

25, 61.240,
321.740

24, 64.629,
321.544

319.748

49, 2.829, 319.283

52, 5.113, 138.949

56, 12.864,
138.538

59, 20.409,
138.163

63, 27.740,
137.815

66, 34.860,
137.494

70, 41.774,
137.199

74, 48.489,
136.929

■ 23, 66.575,
321.401

■ 77, 55.015,
136.682

Harmonies

Complementary

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



45, 10.927, 319.748



48, 10.857, 138.580

Rectangle

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



45, 10.927, 319.748



45, 10.927, 9.748



45, 10.927, 139.748



45, 10.927, 189.748

Sweetspot

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



45, 10.926, 319.748



61, 3.959, 319.314



45, 7.726, 281.999



31, 2.798, 319.347



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 10.926, 319.748



56, 15.983, 319.873



45, 9.361, 335.150



23, 4.497, 319.548



24, 68.225, 321.378



51, 115.829, 321.023

Inverse Universe

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



45, 6.939, 5.393



56, 10.205, 5.698



48, 9.305, 153.383



23, 2.834, 4.930



24, 53.438, 28.253



52, 93.215, 31.460

Previews

White Background



This preview shows how the CIELCh color 45, 10.927, 319.748 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, 10.927, 319.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

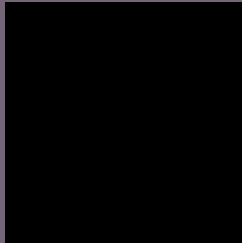
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 10.927, 319.748

Background



This preview shows how black text looks on a background with the CIELCh color 45, 10.927, 319.748.



This preview shows how white text looks on a background with the CIELCh color 45, 10.927, 319.748.

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, 10.927, 319.748

Protanopia

45, 8.377, 286.044

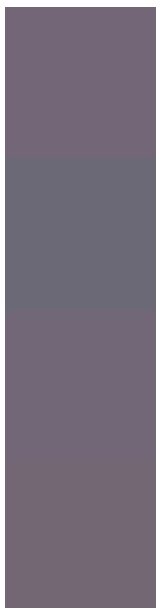
Deuteranopia

45, 8.985, 311.996



Tritanopia
45, 7.026, 330.433

Trichromacy



Original Color
45, 10.927, 319.748

Protanomaly
45, 8.465, 299.331

Deuteranomaly
45, 9.853, 315.163

Tritanomaly
45, 7.970, 324.922

Monochromacy



Original Color
45, 10.927, 319.748

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.134, 319.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 10.927, 319.748 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(115, 102, 118)` looks like.

```
.text, #text, p{  
    color:rgb(115, 102, 118)  
}
```

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(115, 102, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 102, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 10.927, 319.748 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(115, 102, 118) }
```

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

```
.border{ border-color:rgb(115, 102, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 102, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 102, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 102, 118);  
box-shadow:4px 4px 4px 4px rgb(115, 102,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 10.927, 319.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 102, 118) }
```

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

```
.background{ background-color: rgb(115,  
102, 118) }
```

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