

Converting Colors

CIELCh(45, 10.362, 275.067)

Have a look what the booklet for
CIELCh(45, 10.362, 275.067)
contains.

CIELCh(45, 9.935, 273.764)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 9.935, 273.764)

Conversions

Conversions Part 1

Format	Color
Hex	636B7B
RGB	99, 107, 123
RGB Percent	39%, 42%, 48%
CMY	0.6125, 0.5811, 0.5184
CMYK	0.20, 0.13, 0.00, 0.52
HSL	220°, 11%, 43%
HSV	220°, 20%, 48%
XYZ	13.9246, 14.5417, 20.7461
YIQ	106.4320, -9.9040, 3.2800

Conversions

Conversions Part 2

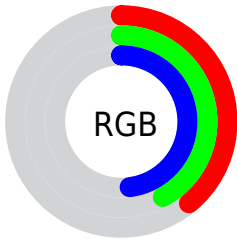
Format	Color
R_{YB}	99, 105, 123
Decimal	6515579
CIE Lab	45.00, 0.65, -9.91
CIE LCh	45, 9.935, 273.764
Yxy	14.5417, 0.2829, 0.2955
Android (android.graphics.Color)	4284705659 (0xFF636B7B)
YUV	106.4320, 8.1680, -6.5179
Hunter-Lab	38.1336, -1.5541, -5.5625

Details

The CIELCh color **45, 9.935, 273.764** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **49, 9.973, 88.746**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 9.817, 274.093**, and **25, 9.656, 272.691** is the 20% darker color. If you saturate the color by 10%, you get **42, 15.131, 275.424**, and if you desaturate by 10%, it is **48, 4.816, 272.339**.

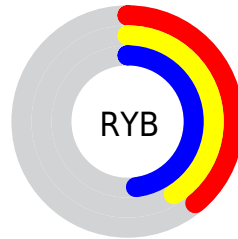
Distribution



Red (39%)

Green (42%)

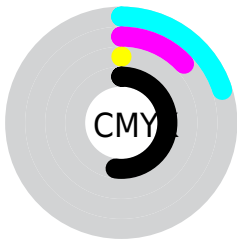
Blue (48%)



Red (39%)

Yellow (41%)

Blue (48%)

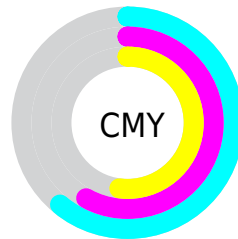


Cyan (20%)

Magenta (13%)

Yellow (0%)

Black (52%)



Cyan (61%)

Magenta (58%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 9.935, 273.764 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, 9.935, 273.764 by changing the saturation by 10% instead.

■ 45, 9.935, 273.764

■ 45, 9.935, 273.764

■ 100, 9.935,
273.764

■ 35, 9.935, 273.764

■ 65, 9.935, 273.764

■ 25, 9.935, 273.764

■ 75, 9.935, 273.764

■ 15, 9.935, 273.764

■ 85, 9.935, 273.764

■ 5, 9.935, 273.764

■ 95, 9.935, 273.764

■ 0, 9.935, 273.764

■ 45, 9.935, 273.764

■ 45, 9.935, 273.764

■ 42, 15.131,
275.424

■ 48, 4.816, 272.339

■ 38, 20.412,

■ 52, 0.225, 90.313

277.362

55, 5.189, 89.949

35, 25.788,
279.611

58, 10.075, 89.022

32, 31.276,
282.200

62, 14.882, 88.199

29, 36.898,
285.133

65, 19.609, 87.469

26, 42.672,
288.375

71, 28.824, 86.236

23, 48.584,
291.825

75, 33.312, 85.711

20, 54.584,
295.126

20, 54.863,
295.264

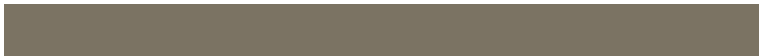
Harmonies

Complementary

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



45, 9.935, 273.764



49, 9.973, 88.746

Rectangle

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



45, 9.935, 273.764



45, 9.935, 323.764



45, 9.935, 93.764



45, 9.935, 143.764

Sweetspot

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



45, 9.934, 273.760



64, 3.767, 271.917



49, 10.701, 170.851



33, 2.519, 271.978



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, 9.934, 273.760



57, 14.613, 274.400



43, 14.558, 297.631



24, 2.835, 272.278



20, 55.657, 295.332



43, 99.033, 297.296

Inverse Universe

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



44, 11.099, 355.530



56, 16.378, 355.986



51, 13.968, 114.666



24, 3.134, 354.434



25, 50.559, 15.980



53, 86.216, 19.230

Previews

White Background



This preview shows how the CIELCh color 45, 9.935, 273.764 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, 9.935, 273.764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

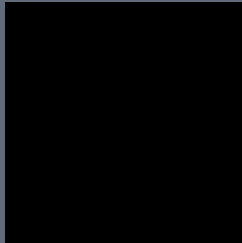
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

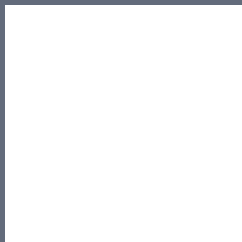
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 9.935, 273.764

Background



This preview shows how black text looks on a background with the CIELCh color 45, 9.935, 273.764.

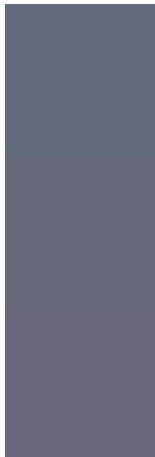


This preview shows how white text looks on a background with the CIELCh color 45, 9.935, 273.764.

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, 9.935, 273.764

Protanopia

45, 9.564, 286.902

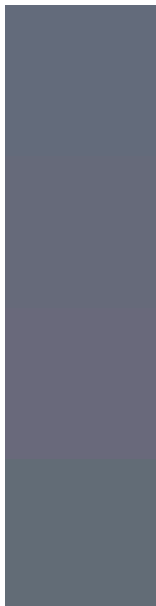
Deuteranopia

45, 11.493, 299.473



Tritanopia
45, 6.075, 251.105

Trichromacy



Original Color

45, 9.935, 273.764

Protanomaly

45, 9.639, 282.381

Deuteranomaly

45, 10.755, 291.680

Tritanomaly

45, 7.014, 257.680

Monochromacy



Original Color

45, 9.935, 273.764

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 3.759, 272.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 9.935, 273.764 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(99, 107, 123)` looks like.

```
.text, #text, p{  
    color:rgb(99, 107, 123)  
}
```

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(99, 107, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 107, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 9.935, 273.764 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(99, 107, 123) }
```

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

```
.border{ border-color:rgb(99, 107, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 107, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 107, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 107, 123);  
box-shadow:4px 4px 4px 4px rgb(99, 107,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 9.935, 273.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 107, 123) }
```

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

```
.background{ background-color: rgb(99, 107,  
123) }
```

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