

Converting Colors

CIELCh(45, 8.779, 225.501)

Have a look what the booklet for
CIELCh(45, 8.779, 225.501) contains.

CIELCh(45, 8.852, 226.932)	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, 8.852, 226.932)

Conversions

Conversions Part 1

Format	Color
Hex	596E75
RGB	89, 110, 117
RGB Percent	35%, 43%, 46%
CMY	0.6512, 0.5689, 0.5414
CMYK	0.24, 0.06, 0.00, 0.54
HSL	195°, 14%, 40%
HSV	195°, 24%, 46%
XYZ	12.8900, 14.5417, 18.9374
YIQ	104.5190, -14.7630, -2.2750

Conversions

Conversions Part 2

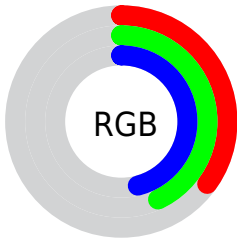
Format	Color
R _Y B	89, 101, 117
Decimal	5860981
CIE Lab	45.00, -6.04, -6.47
CIE LCh	45, 8.852, 226.932
Yxy	14.5417, 0.2780, 0.3136
Android (android.graphics.Color)	4284051061 (0xFF596E75)
YUV	104.5190, 6.1531, -13.6102
Hunter-Lab	38.1336, -6.3971, -2.7503

Details

The CIELCh color $45, 8.852, 226.932$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $43, 10.229, 44.529$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 8.740, 225.352$, and $25, 8.979, 229.461$ is the 20% darker color. If you saturate the color by 10%, you get $43, 12.166, 227.875$, and if you desaturate by 10%, it is $47, 5.291, 226.215$.

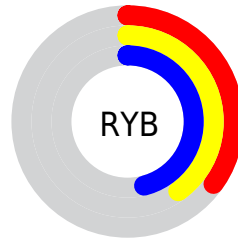
Distribution



Red (35%)

Green (43%)

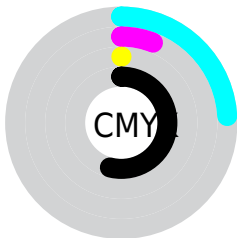
Blue (46%)



Red (35%)

Yellow (40%)

Blue (46%)

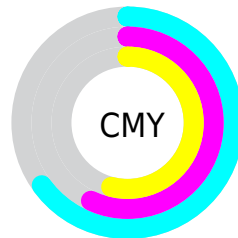


Cyan (24%)

Magenta (6%)

Yellow (0%)

Black (54%)



Cyan (65%)

Magenta (57%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 8.852, 226.932 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, 8.852, 226.932 by changing the saturation by 10% instead.

■ 45, 8.852, 226.932

■ 45, 8.852, 226.932

■ 100, 8.852,
226.932

■ 35, 8.852, 226.932

■ 65, 8.852, 226.932

■ 25, 8.852, 226.932

■ 75, 8.852, 226.932

■ 15, 8.852, 226.932

■ 85, 8.852, 226.932

■ 5, 8.852, 226.932

■ 95, 8.852, 226.932

■ 0, 8.852, 226.932

■ 45, 8.852, 226.932

■ 45, 8.852, 226.932

■ 43, 12.166,
227.875

■ 47, 5.291, 226.215

■ 42, 15.184,

■ 48, 1.531, 225.820

229.108

50, 2.388, 45.018

40, 17.861,
230.688

52, 6.429, 44.802

39, 20.159,
232.690

54, 10.560, 44.600

37, 22.058,
235.194

56, 14.757, 44.454

36, 23.568,
238.276

60, 23.264, 44.299

35, 24.749,
241.952

62, 27.544, 44.271

34, 25.455,
244.183

Harmonies

Complementary

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



45, 8.852, 226.932



43, 10.229, 44.529

Rectangle

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



45, 8.852, 226.932



45, 8.852, 276.932



45, 8.852, 46.932



45, 8.852, 96.932

Sweetspot

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



45, 8.852, 226.925



62, 3.362, 225.880



47, 17.177, 150.056



32, 2.170, 225.895



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, 8.852, 226.925



57, 13.131, 227.445



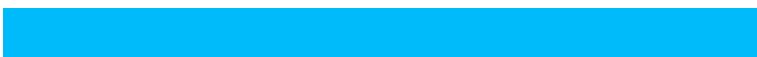
41, 12.698, 279.285



24, 2.166, 225.956



36, 26.331, 244.426



71, 45.293, 247.200

Inverse Universe

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



41, 17.073, 333.853



51, 25.773, 334.253



46, 12.550, 93.308



23, 3.995, 332.861



27, 55.787, 340.777



56, 93.699, 341.672

Previews

White Background



This preview shows how the CIELCh color 45, 8.852, 226.932 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, 8.852, 226.932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

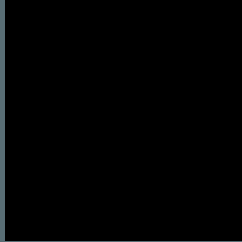
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

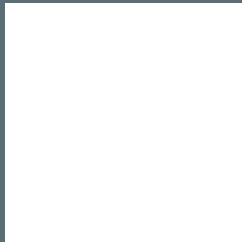
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 8.852, 226.932

Background



This preview shows how black text looks on a background with the CIELCh color 45, 8.852, 226.932.



This preview shows how white text looks on a background with the CIELCh color 45, 8.852, 226.932.

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, 8.852, 226.932

Protanopia

45, 4.777, 290.856

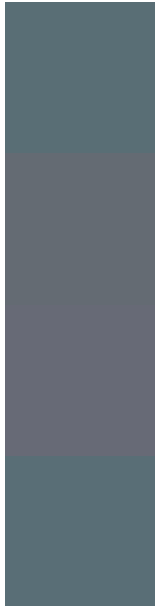
Deuteranopia

45, 9.559, 310.748



Tritanopia
45, 9.101, 230.451

Trichromacy



Original Color
45, 8.852, 226.932

Protanomaly
45, 5.451, 260.666

Deuteranomaly
45, 7.236, 281.895

Tritanomaly
45, 9.101, 230.451

Monochromacy



Original Color
45, 8.852, 226.932

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 3.294, 232.299

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 8.852, 226.932 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(89, 110, 117)` looks like.

```
.text, #text, p{  
    color:rgb(89, 110, 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(89, 110, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 110, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 8.852, 226.932 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(89, 110, 117) }
```

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

```
.border{ border-color:rgb(89, 110, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 110, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 110, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 110, 117);  
box-shadow:4px 4px 4px 4px rgb(89, 110,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 8.852, 226.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 110, 117) }
```

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

```
.background{ background-color: rgb(89, 110,  
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](#).

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