

Converting Colors

CIELCh(45, 5.638, 271.345)

Have a look what the booklet for
CIELCh(45, 5.638, 271.345) contains.

CIELCh(45, 5.676, 270.743)	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, 5.676, 270.743)

Conversions

Conversions Part 1

Format	Color
Hex	666B74
RGB	102, 107, 116
RGB Percent	40%, 42%, 45%
CMY	0.6008, 0.5812, 0.5459
CMYK	0.12, 0.08, 0.00, 0.55
HSL	219°, 6%, 43%
HSV	219°, 12%, 45%
XYZ	13.8331, 14.5417, 18.5376
YIQ	106.5310, -5.8690, 1.7390

Conversions

Conversions Part 2

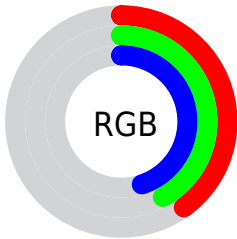
Format	Color
R_{YB}	102, 106, 116
Decimal	6712180
CIE _{Lab}	45.00, 0.07, -5.68
CIE _{LCh}	45, 5.676, 270.743
Yxy	14.5417, 0.2949, 0.3100
Android (android.graphics.Color)	4284902260 (0xFF666B74)
YUV	106.5310, 4.6682, -3.9737
Hunter-Lab	38.1336, -1.9824, -2.1286

Details

The CIELCh color **45, 5.676, 270.743** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 5.700, 87.689**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 5.825, 272.301**, and **25, 5.623, 269.214** is the 20% darker color. If you saturate the color by 10%, you get **42, 10.429, 272.219**, and if you desaturate by 10%, it is **48, 0.979, 269.585**.

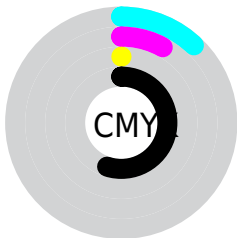
Distribution



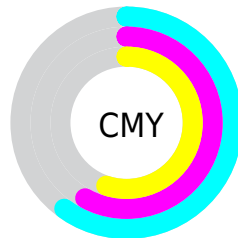
- Red (40%)
- Green (42%)
- Blue (45%)



- Red (40%)
- Yellow (42%)
- Blue (45%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)
- Black (55%)



- Cyan (60%)
- Magenta (58%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 5.676, 270.743 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, 5.676, 270.743 by changing the saturation by 10% instead.

■ 45, 5.676, 270.743

■ 45, 5.676, 270.743

■ 100, 5.676,
270.743

■ 35, 5.676, 270.743

■ 65, 5.676, 270.743

■ 25, 5.676, 270.743

■ 75, 5.676, 270.743

■ 15, 5.676, 270.743

■ 85, 5.676, 270.743

■ 5, 5.676, 270.743

■ 95, 5.676, 270.743

■ 0, 5.676, 270.743

■ 45, 5.676, 270.743

■ 45, 5.676, 270.743

■ 42, 10.429,
272.219

■ 48, 0.979, 269.585

■ 39, 15.240,

■ 51, 3.659, 88.238

273.956

54, 8.235, 87.285

36, 20.112,
275.978

57, 12.747, 86.432

33, 25.055,
278.323

60, 17.194, 85.676

30, 30.085,
281.016

64, 21.573, 85.003

27, 35.225,
284.061

70, 30.128, 83.859

24, 40.496,
287.415

73, 34.303, 83.369

21, 45.894,
290.969

20, 50.254,
293.563

Harmonies

Complementary

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



45, 5.676, 270.743



47, 5.700, 87.689

Rectangle

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



45, 5.676, 270.743



45, 5.676, 320.743



45, 5.676, 90.743



45, 5.676, 140.743

Sweetspot

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



45, 5.675, 270.734



61, 2.320, 269.745



47, 6.411, 170.506



31, 1.662, 269.811



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, 5.675, 270.734



56, 8.743, 271.197



44, 8.454, 296.354



23, 2.667, 270.330



21, 52.620, 293.801



44, 94.506, 295.922

Inverse Universe

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



45, 6.545, 353.153



56, 10.119, 353.487



48, 8.239, 114.533



23, 3.065, 352.850



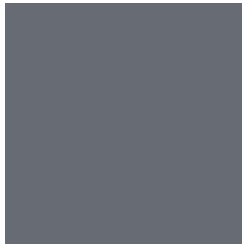
25, 49.474, 13.645



53, 84.741, 16.925

Previews

White Background



This preview shows how the CIELCh color 45, 5.676, 270.743 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, 5.676, 270.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

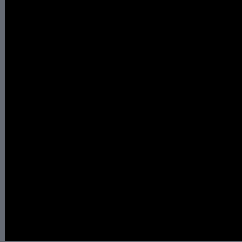
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

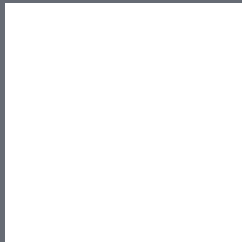
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 5.676, 270.743

Background



This preview shows how black text looks on a background with the CIELCh color 45, 5.676, 270.743.



This preview shows how white text looks on a background with the CIELCh color 45, 5.676, 270.743.

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, 5.676, 270.743

Protanopia

45, 5.374, 290.938

Deuteranopia

45, 8.607, 315.921



Tritanopia
45, 5.124, 268.283

Trichromacy



Original Color
45, 5.676, 270.743

Protanomaly
45, 5.418, 282.559

Deuteranomaly
45, 7.377, 303.596

Tritanomaly
45, 5.124, 268.283

Monochromacy



Original Color
45, 5.676, 270.743

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 2.511, 271.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 5.676, 270.743 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(102, 107, 116)` looks like.

```
.text, #text, p{  
    color:rgb(102, 107, 116)  
}
```

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(102, 107, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 107, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 5.676, 270.743 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(102, 107, 116) }
```

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

```
.border{ border-color:rgb(102, 107, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 107, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 107, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 107, 116);  
box-shadow:4px 4px 4px 4px rgb(102, 107,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 5.676, 270.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 107, 116) }
```

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

```
.background{ background-color: rgb(102,  
107, 116) }
```

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