

Converting Colors

CIELCh(45, 1.461, 79.458)

Have a look what the booklet for
CIELCh(45, 1.461, 79.458) contains.

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Color

CIELCh(45, 1.440, 74.836)

Conversions

Conversions Part 1

Format	Color
Hex	6C6A68
RGB	108, 106, 104
RGB Percent	42%, 42%, 41%
CMY	0.5758, 0.5837, 0.5915
CMYK	0.00, 0.02, 0.04, 0.58
HSL	30°, 2%, 42%
HSV	30°, 4%, 42%
XYZ	13.8809, 14.5417, 15.2140
YIQ	106.3700, 1.8340, -0.1980

Conversions

Conversions Part 2

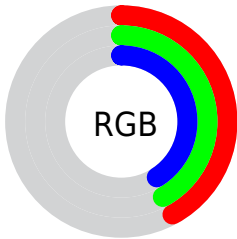
Format	Color
R_{YB}	108, 108, 104
Decimal	7105128
CIE Lab	45.00, 0.38, 1.39
CIE LCh	45, 1.440, 74.836
Yxy	14.5417, 0.3181, 0.3332
Android (android.graphics.Color)	4285295208 (0xFF6C6A68)
YUV	106.3700, -1.1684, 1.4295
Hunter-Lab	38.1336, -1.7583, 3.0389

Details

The CIELCh color $45, 1.440, 74.836$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 1.437, 256.067$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 1.338, 74.891$, and $25, 1.596, 74.633$ is the 20% darker color. If you saturate the color by 10%, you get $43, 5.461, 73.854$, and if you desaturate by 10%, it is $47, 2.416, 256.283$.

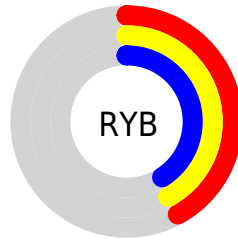
Distribution



Red (42%)

Green (42%)

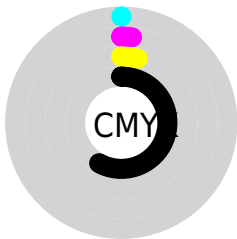
Blue (41%)



Red (42%)

Yellow (42%)

Blue (41%)

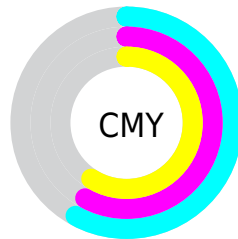


Cyan (0%)

Magenta (2%)

Yellow (4%)

Black (58%)



Cyan (58%)

Magenta (58%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 1.440, 74.836 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, 1.440, 74.836 by changing the saturation by 10% instead.

 45, 1.440, 74.836	 45, 1.440, 74.836
 100, 1.440, 74.836	 35, 1.440, 74.836
 65, 1.440, 74.836	 25, 1.440, 74.836
 75, 1.440, 74.836	 15, 1.440, 74.836
 85, 1.440, 74.836	 5, 1.440, 74.836
 95, 1.440, 74.836	 0, 1.440, 74.836

 45, 1.440, 74.836	 45, 1.440, 74.836
 43, 5.461, 73.854	 47, 2.416, 256.283
 41, 9.659, 72.697	 49, 6.124, 257.326
 40, 14.046, 71.516	 51, 9.698, 258.379

■ 38, 18.623, 70.323

■ 53, 13.154,
259.402

■ 36, 23.374, 69.117

■ 55, 16.505,
260.388

■ 34, 28.249, 67.882

■ 33, 33.133, 66.576

■ 56, 19.761,
261.334

■ 31, 37.797, 65.098

■ 58, 22.934,
262.239

■ 30, 41.935, 63.334

■ 60, 26.032,
263.103

■ 62, 29.064,
263.927

Harmonies

Complementary

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



45, 1.440, 74.836



45, 1.437, 256.067

Rectangle

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



45, 1.440, 74.836



45, 1.440, 124.836



45, 1.440, 254.836



45, 1.440, 304.836

Sweetspot

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



45, 1.440, 74.891



58, 0.475, 74.764



44, 2.049, 343.809



30, 0.272, 74.720



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 1.440, 74.891



57, 1.929, 74.861



46, 2.370, 109.828



22, 1.087, 74.831



32, 47.607, 62.232



65, 82.934, 59.915

Inverse Universe

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



45, 1.437, 256.067



57, 1.922, 256.100



44, 2.400, 290.537



22, 1.082, 256.133



25, 39.162, 282.138



52, 71.338, 284.973

Previews

White Background



This preview shows how the CIELCh color 45, 1.440, 74.836 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, 1.440, 74.836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

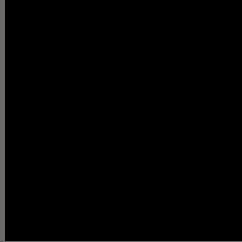
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 1.440, 74.836

Background



This preview shows how black text looks on a background with the CIELCh color 45, 1.440, 74.836.



This preview shows how white text looks on a background with the CIELCh color 45, 1.440, 74.836.

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, 1.440, 74.836

Protanopia

45, 1.711, 63.291

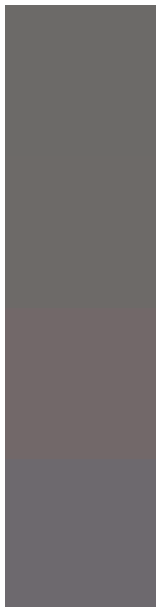
Deuteranopia

45, 5.983, 8.677



Tritanopia
45, 5.065, 309.349

Trichromacy



Original Color

45, 1.440, 74.836

Protanomaly

45, 1.711, 63.291

Deuteranomaly

45, 4.215, 11.755

Tritanomaly

45, 3.421, 318.961

Monochromacy



Original Color

45, 1.440, 74.836

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 0.589, 110.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 1.440, 74.836 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(108, 106, 104)` looks like.

```
.text, #text, p{  
    color:rgb(108, 106, 104)  
}
```

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(108, 106, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 106, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 1.440, 74.836 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(108, 106, 104) }
```

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

```
.border{ border-color:rgb(108, 106, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 106, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 106, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 106, 104);  
box-shadow:4px 4px 4px 4px rgb(108, 106,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 1.440, 74.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 106, 104) }
```

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

```
.background{ background-color: rgb(108,  
106, 104) }
```

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](#).

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