

Converting Colors

CIELCh(45, 38.737, 296.631)

Have a look what the booklet for
CIELCh(45, 38.737, 296.631)
contains.

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Color

CIELCh(45, 38.854, 296.726)

Conversions

Conversions Part 1

Format	Color
Hex	6663A4
RGB	102, 99, 164
RGB Percent	40%, 39%, 64%
CMY	0.5984, 0.6102, 0.3552
CMYK	0.38, 0.40, 0.00, 0.36
HSL	243°, 26%, 52%
HSV	243°, 40%, 64%
XYZ	16.7642, 14.5417, 37.2474
YIQ	107.3070, -19.0770, 20.8510

Conversions

Conversions Part 2

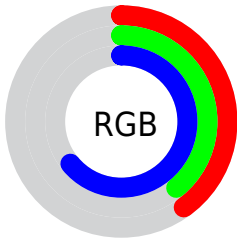
Format	Color
RYB	102, 99, 164
Decimal	6710180
CIELab	45.00, 17.47, -34.70
CIElCh	45, 38.854, 296.726
Yxy	14.5417, 0.2445, 0.2121
Android (android.graphics.Color)	4284900260 (0xFF6663A4)
YUV	107.3070, 27.9496, -4.6542
Hunter-Lab	38.1336, 11.7381, -31.2186

Details

The CIELCh color $45, 38.854, 296.726$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $66, 35.179, 108.554$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 38.503, 296.455$, and $25, 38.690, 296.639$ is the 20% darker color. If you saturate the color by 10%, you get $39, 49.668, 298.404$, and if you desaturate by 10%, it is $51, 28.435, 295.255$.

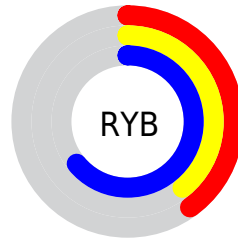
Distribution



Red (40%)

Green (39%)

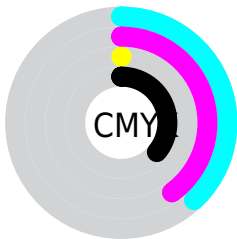
Blue (64%)



Red (40%)

Yellow (39%)

Blue (64%)

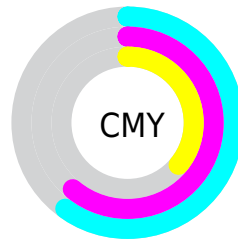


Cyan (38%)

Magenta (40%)

Yellow (0%)

Black (36%)



Cyan (60%)

Magenta (61%)

Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 38.854, 296.726 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, 38.854, 296.726 by changing the saturation by 10% instead.

 45, 38.854,
296.726


 45, 38.854,
296.726


 100, 38.854,
296.726


 35, 38.854,
296.726

 65, 38.854,
296.726


 25, 38.854,
296.726

 75, 38.854,
296.726

 15, 38.854,
296.726

 85, 38.854,
296.726

 5, 38.854, 296.726

 95, 38.854,
296.726

 0, 38.854, 296.726

 45, 38.854,

 45, 38.854,

296.726

■ 39, 49.668,
298.404

■ 34, 60.769,
300.259

■ 29, 71.830,
302.194

■ 25, 82.119,
304.018

■ 21, 90.369,
305.445

■ 19, 95.872,
306.399

■ 19, 96.109,
306.445

296.726

■ 51, 28.435,
295.255

■ 56, 18.433,
293.987

■ 62, 8.832, 292.903

■ 68, 0.395, 111.870

■ 73, 9.273, 111.176

■ 79, 17.828,
110.501

■ 85, 26.083,
109.921

■ 90, 34.058,
109.422

■ 95, 41.772,

Harmonies

Complementary

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



45, 38.854, 296.726



66, 35.179, 108.554

Rectangle

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



45, 38.854, 296.726



45, 38.854, 346.726



45, 38.854, 116.726



45, 38.854, 166.726

Sweetspot

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



45, 38.853, 296.726



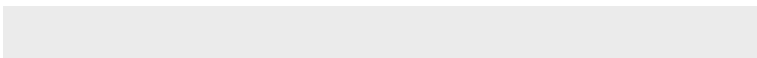
77, 13.826, 293.175



63, 20.977, 200.972



40, 9.176, 293.303



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



45, 38.853, 296.726



53, 58.229, 298.109



48, 40.208, 312.082



32, 5.194, 292.874



16, 87.762, 306.471



0, 7.953, 291.837

Inverse Universe

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



51, 42.549, 327.863



62, 61.912, 328.287



64, 38.200, 128.422



32, 6.072, 326.196



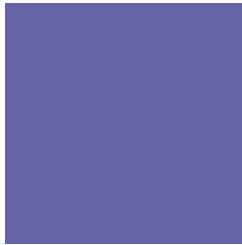
34, 73.349, 330.135



2, 9.305, 326.131

Previews

White Background



This preview shows how the CIELCh color 45, 38.854, 296.726 looks on a white background.

Color Contrast Check

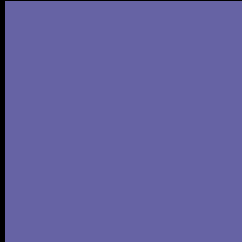
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.854, 296.726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

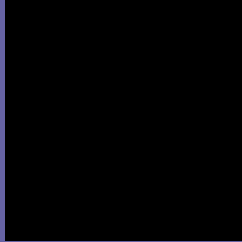
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 38.854, 296.726

Background



This preview shows how black text looks on a background with the CIELCh color 45, 38.854, 296.726.

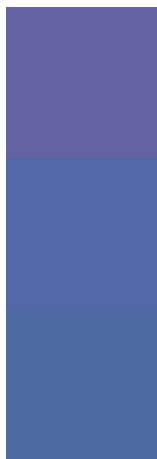


This preview shows how white text looks on a background with the CIELCh color 45, 38.854, 296.726.

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

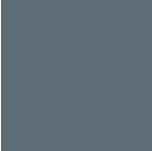
45, 38.854, 296.726

Protanopia

45, 38.946, 285.903

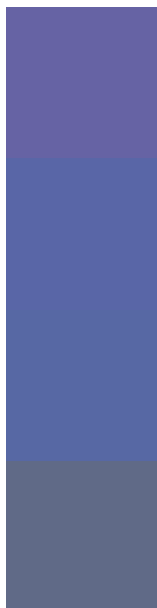
Deuteranopia

45, 34.535, 280.893



Tritanopia
45, 8.265, 239.570

Trichromacy



Original Color
45, 38.854, 296.726

Protanomaly
45, 38.812, 289.593

Deuteranomaly
45, 35.903, 286.712

Tritanomaly
45, 17.558, 280.839

Monochromacy



Original Color
45, 38.854, 296.726

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 14.341, 293.656

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 38.854, 296.726 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, 99, 164)` looks like.

```
.text, #text, p{  
    color:rgb(102, 99, 164)  
}
```

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, 99, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 99, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 38.854, 296.726 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, 99, 164) }
```

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

```
.border{ border-color:rgb(102, 99, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 99, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 99, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 99, 164);  
box-shadow:4px 4px 4px 4px rgb(102, 99,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 38.854, 296.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 99, 164) }
```

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

```
.background{ background-color: rgb(102, 99,  
164) }
```

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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