

Converting Colors

CIELCh(45, 33.102, 305.960)

Have a look what the booklet for
CIELCh(45, 33.102, 305.960)
contains.

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Color

CIELCh(45, 33.051, 305.944)

Conversions

Conversions Part 1

Format	Color
Hex	746197
RGB	116, 97, 151
RGB Percent	45%, 38%, 59%
CMY	0.5445, 0.6190, 0.4072
CMYK	0.23, 0.36, 0.00, 0.41
HSL	261°, 22%, 49%
HSV	261°, 36%, 59%
XYZ	17.1123, 14.5417, 31.2538
YIQ	108.8370, -6.0100, 20.8220

Conversions

Conversions Part 2

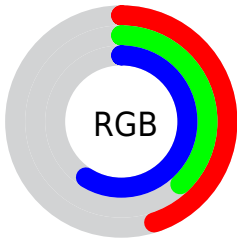
Format	Color
R_{YB}	116, 97, 151
Decimal	7627159
CIE _{Lab}	45.00, 19.40, -26.76
CIE _{LCh}	45, 33.051, 305.944
Yxy	14.5417, 0.2720, 0.2312
Android (android.graphics.Color)	4285817239 (0xFF746197)
YUV	108.8370, 20.7864, 6.2820
Hunter-Lab	38.1336, 13.3672, -21.8998

Details

The CIELCh color $45, 33.051, 305.944$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 30.929, 121.862$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 32.671, 305.985$, and $25, 33.415, 305.901$ is the 20% darker color. If you saturate the color by 10%, you get $40, 42.864, 306.698$, and if you desaturate by 10%, it is $50, 23.440, 305.240$.

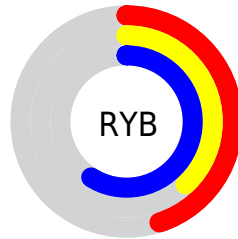
Distribution



Red (45%)

Green (38%)

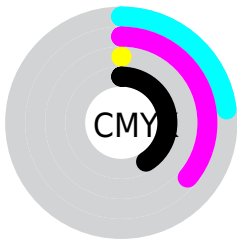
Blue (59%)



Red (45%)

Yellow (38%)

Blue (59%)

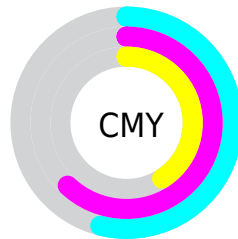


Cyan (23%)

Magenta (36%)

Yellow (0%)

Black (41%)



Cyan (54%)


Magenta (62%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 33.051, 305.944 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, 33.051, 305.944 by changing the saturation by 10% instead.


 45, 33.051,
305.944


 45, 33.051,
305.944


 100, 33.051,
305.944


 35, 33.051,
305.944

 65, 33.051,
305.944


 25, 33.051,
305.944

 75, 33.051,
305.944

 15, 33.051,
305.944

 85, 33.051,
305.944

 5, 33.051, 305.944

 95, 33.051,
305.944

 0, 33.051, 305.944

 45, 33.051,

 45, 33.051,

305.944

40, 42.864,
306.698

36, 52.745,
307.475

31, 62.427,
308.220

27, 71.453,
308.843

24, 79.127,
309.214

21, 84.721,
309.206

20, 86.921,
309.222

305.944

50, 23.440,
305.240

55, 14.100,
304.601

60, 5.055, 304.023

65, 3.692, 123.545

69, 12.147,
123.093

74, 20.324,
122.707

79, 28.235,
122.372

84, 35.897,
122.083

■ 89, 43.323,
121.835

Harmonies

Complementary

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



45, 33.051, 305.944



60, 30.929, 121.862

Rectangle

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



45, 33.051, 305.944



45, 33.051, 355.944



45, 33.051, 125.944



45, 33.051, 175.944

Sweetspot

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



45, 33.050, 305.944



73, 12.115, 304.333



53, 15.904, 242.237



38, 8.221, 304.405



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



45, 33.050, 305.944



53, 49.769, 306.554



48, 35.868, 321.875



30, 5.063, 304.220



18, 82.228, 309.290



1, 5.392, 303.517

Inverse Universe

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



48, 29.279, 339.215



58, 43.326, 339.969



58, 35.487, 138.259



30, 4.639, 337.072



30, 57.612, 348.272



1, 4.935, 336.937

Previews

White Background



This preview shows how the CIELCh color 45, 33.051, 305.944 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, 33.051, 305.944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

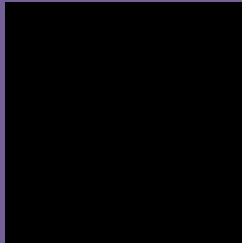
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 33.051, 305.944

Background



This preview shows how black text looks on a background with the CIELCh color 45, 33.051, 305.944.



This preview shows how white text looks on a background with the CIELCh color 45, 33.051, 305.944.

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, 33.051, 305.944

Protanopia

45, 31.192, 285.027

Deuteranopia

45, 26.440, 284.384



Tritanopia
45, 5.065, 309.349

Trichromacy



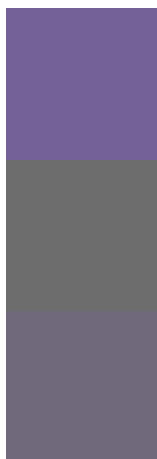
Original Color
45, 33.051, 305.944

Protanomaly
45, 31.633, 292.661

Deuteranomaly
45, 28.677, 293.393

Tritanomaly
45, 15.500, 306.507

Monochromacy



Original Color
45, 33.051, 305.944

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 11.695, 305.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 33.051, 305.944 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(116, 97, 151)` looks like.

```
.text, #text, p{  
    color:rgb(116, 97, 151)  
}
```

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(116, 97, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 97, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 33.051, 305.944 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(116, 97, 151) }
```

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

```
.border{ border-color:rgb(116, 97, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 97, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 97, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 97, 151);  
box-shadow:4px 4px 4px 4px rgb(116, 97,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 33.051, 305.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 97, 151) }
```

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

```
.background{ background-color: rgb(116, 97,  
151) }
```

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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