

Converting Colors

CIELCh(45, 28.653, 306.776)

Have a look what the booklet for
CIELCh(45, 28.653, 306.776)
contains.

CIELCh(45, 28.934, 306.731)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 28.934, 306.731)

Conversions

Conversions Part 1

Format	Color
Hex	746291
RGB	116, 98, 145
RGB Percent	45%, 38%, 57%
CMY	0.5444, 0.6150, 0.4307
CMYK	0.20, 0.32, 0.00, 0.43
HSL	263°, 19%, 48%
HSV	263°, 32%, 57%
XYZ	16.7339, 14.5417, 28.7856
YIQ	108.7400, -4.3590, 18.4330

Conversions

Conversions Part 2

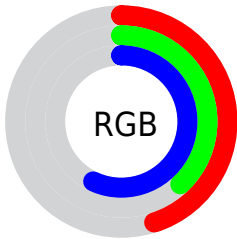
Format	Color
R_{YB}	116, 98, 145
Decimal	7627409
CIE _{Lab}	45.00, 17.30, -23.19
CIE _{LCh}	45, 28.934, 306.731
Yxy	14.5417, 0.2786, 0.2421
Android (android.graphics.Color)	4285817489 (0xFF746291)
YUV	108.7400, 17.8762, 6.3670
Hunter-Lab	38.1336, 11.5960, -18.0623

Details

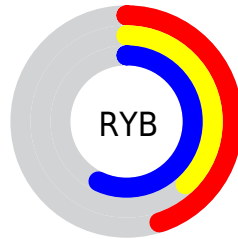
The CIELCh color $45, 28.934, 306.731$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 27.355, 123.255$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 28.817, 306.880$, and $25, 28.993, 307.160$ is the 20% darker color. If you saturate the color by 10%, you get $40, 38.367, 307.415$, and if you desaturate by 10%, it is $50, 19.703, 306.093$.

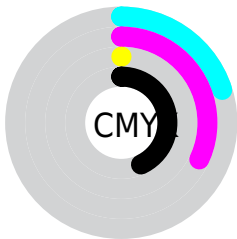
Distribution



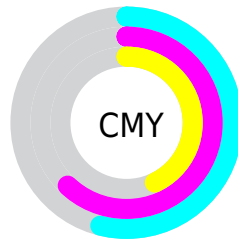
- Red (45%)
- Green (38%)
- Blue (57%)



- Red (45%)
- Yellow (38%)
- Blue (57%)



- Cyan (20%)
- Magenta (32%)
- Yellow (0%)
- Black (43%)





- Cyan (54%)
- Magenta (62%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 28.934, 306.731 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, 28.934, 306.731 by changing the saturation by 10% instead.


 45, 28.934,
306.731


 45, 28.934,
306.731


 100, 28.934,
306.731


 35, 28.934,
306.731

 65, 28.934,
306.731


 25, 28.934,
306.731

 75, 28.934,
306.731

 15, 28.934,
306.731

 85, 28.934,
306.731

 5, 28.934, 306.731

 95, 28.934,
306.731

 0, 28.934, 306.731

 45, 28.934,

 45, 28.934,

306.731

40, 38.367,
307.415

36, 47.893,
308.122

32, 57.297,
308.808

28, 66.209,
309.400

24, 74.051,
309.786

21, 80.084,
309.830

20, 83.849,
309.772

306.731

50, 19.703,
306.093

54, 10.730,
305.511

59, 2.036, 304.967

64, 6.378, 124.548

69, 14.518,
124.139

73, 22.394,
123.785

78, 30.021,
123.478

82, 37.412,
123.213

■ 87, 44.581,
122.985

Harmonies

Complementary

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



45, 28.934, 306.731



58, 27.355, 123.255

Rectangle

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



45, 28.934, 306.731



45, 28.934, 356.731



45, 28.934, 126.731



45, 28.934, 176.731

Sweetspot

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



45, 28.933, 306.731



71, 10.697, 305.391



52, 14.172, 243.907



36, 7.289, 305.460



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



45, 28.933, 306.731



54, 43.589, 307.236



47, 31.593, 322.230



28, 4.804, 305.335



18, 79.532, 309.842



0, 3.201, 304.880

Inverse Universe

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



47, 25.177, 340.399



58, 37.439, 341.100



56, 31.322, 138.936



28, 4.284, 338.469



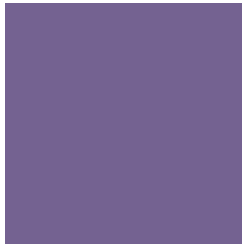
29, 55.217, 350.642



1, 2.869, 337.846

Previews

White Background



This preview shows how the CIELCh color 45, 28.934, 306.731 looks on a white background.

Color Contrast Check

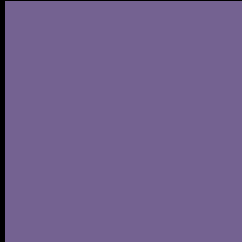
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.934, 306.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

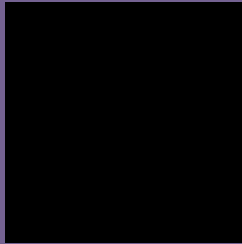
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 28.934, 306.731

Background



This preview shows how black text looks on a background with the CIELCh color 45, 28.934, 306.731.



This preview shows how white text looks on a background with the CIELCh color 45, 28.934, 306.731.

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, 28.934, 306.731

Protanopia

45, 27.601, 285.012

Deuteranopia

45, 23.372, 285.774



Tritanopia
45, 5.382, 317.556

Trichromacy



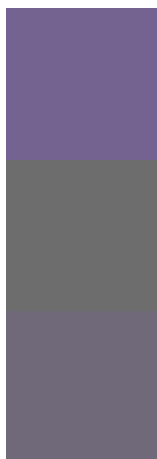
Original Color
45, 28.934, 306.731

Protanomaly
45, 27.452, 292.482

Deuteranomaly
45, 24.494, 293.514

Tritanomaly
45, 13.759, 308.284

Monochromacy



Original Color
45, 28.934, 306.731

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 10.544, 306.600

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 28.934, 306.731 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, 98, 145)` looks like.

```
.text, #text, p{  
    color:rgb(116, 98, 145)  
}
```

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, 98, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 98, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 28.934, 306.731 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, 98, 145) }
```

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

```
.border{ border-color:rgb(116, 98, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 98, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 98, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 98, 145);  
box-shadow:4px 4px 4px 4px rgb(116, 98,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 28.934, 306.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 98, 145) }
```

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

```
.background{ background-color: rgb(116, 98,  
145) }
```

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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