

Converting Colors

CIELCh(45, 39.905, 299.370)

Have a look what the booklet for
CIELCh(45, 39.905, 299.370)
contains.

CIELCh(45, 40.151, 299.529)	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, 40.151, 299.529)

Conversions

Conversions Part 1

Format	Color
Hex	6B62A5
RGB	107, 98, 165
RGB Percent	42%, 38%, 65%
CMY	0.5809, 0.6162, 0.3535
CMYK	0.35, 0.41, 0.00, 0.35
HSL	248°, 27%, 52%
HSV	248°, 41%, 65%
XYZ	17.1830, 14.5417, 37.4334
YIQ	108.3290, -16.1430, 22.7450

Conversions

Conversions Part 2

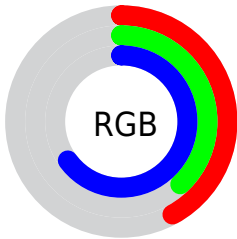
Format	Color
R _Y B	107, 98, 165
Decimal	7037605
CIE Lab	45.00, 19.79, -34.94
CIE LCh	45, 40.151, 299.529
Yxy	14.5417, 0.2485, 0.2103
Android (android.graphics.Color)	4285227685 (0xFF6B62A5)
YUV	108.3290, 27.9388, -1.1655
Hunter-Lab	38.1336, 13.6981, -31.5078

Details

The CIELCh color $45, 40.151, 299.529$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $66, 36.365, 112.399$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 39.767, 299.245$, and $25, 40.701, 299.869$ is the 20% darker color. If you saturate the color by 10%, you get $40, 50.957, 300.906$, and if you desaturate by 10%, it is $51, 29.683, 298.300$.

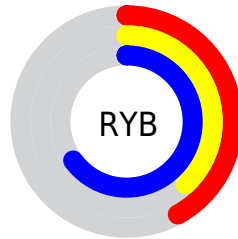
Distribution



Red (42%)

Green (38%)

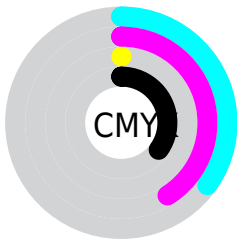
Blue (65%)



Red (42%)

Yellow (38%)

Blue (65%)

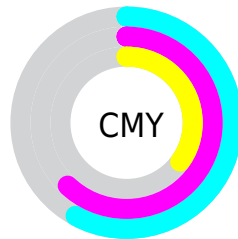


Cyan (35%)

Magenta (41%)

Yellow (0%)

Black (35%)



Cyan (58%)


Magenta (62%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 40.151, 299.529 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, 40.151, 299.529 by changing the saturation by 10% instead.


 45, 40.151,
299.529


 45, 40.151,
299.529


 100, 40.151,
299.529


 35, 40.151,
299.529

 65, 40.151,
299.529


 25, 40.151,
299.529


 75, 40.151,
299.529

 15, 40.151,
299.529

 85, 40.151,
299.529

 5, 40.151, 299.529

 95, 40.151,
299.529

 0, 40.151, 299.529

 45, 40.151,

 45, 40.151,

299.529

299.529

■ 40, 50.957,
300.906

■ 51, 29.683,
298.300

■ 34, 61.955,
302.393

■ 56, 19.603,
297.225

■ 29, 72.783,
303.903

■ 62, 9.908, 296.295

■ 25, 82.709,
305.268

■ 67, 0.584, 295.511

■ 73, 8.392, 114.801

■ 22, 90.557,
306.248

■ 78, 17.043,
114.210

■ 20, 95.704,
306.835

■ 84, 25.391,
113.702

■ 89, 33.456,
113.264

■ 95, 41.257,

Harmonies

Complementary

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



45, 40.151, 299.529



66, 36.365, 112.399

Rectangle

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



45, 40.151, 299.529



45, 40.151, 349.529



45, 40.151, 119.529



45, 40.151, 169.529

Sweetspot

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



45, 40.150, 299.529



77, 13.883, 296.433



61, 19.676, 212.750



40, 9.213, 296.541



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, 40.150, 299.529



52, 60.950, 300.801



48, 42.015, 315.327



32, 5.216, 296.178



16, 87.182, 306.891



1, 7.983, 294.951

Inverse Universe

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



51, 41.229, 330.749



61, 60.604, 331.311



63, 40.424, 131.697



32, 5.714, 328.845



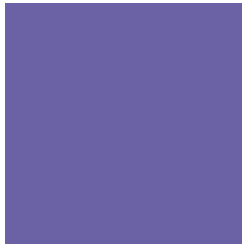
33, 68.570, 334.280



1, 8.615, 329.534

Previews

White Background



This preview shows how the CIELCh color 45, 40.151, 299.529 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, 40.151, 299.529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

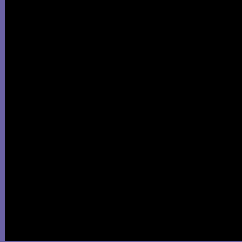
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 40.151, 299.529

Background



This preview shows how black text looks on a background with the CIELCh color 45, 40.151, 299.529.

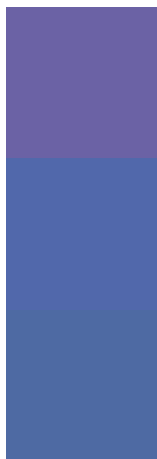


This preview shows how white text looks on a background with the CIELCh color 45, 40.151, 299.529.

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

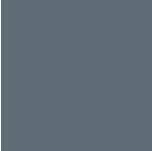
45, 40.151, 299.529

Protanopia

45, 40.126, 286.036

Deuteranopia

45, 34.535, 280.893



Tritanopia
45, 6.987, 249.529

Trichromacy



Original Color
45, 40.151, 299.529

Protanomaly
45, 39.954, 290.347

Deuteranomaly
45, 36.479, 287.886

Tritanomaly
45, 17.960, 288.047

Monochromacy



Original Color
45, 40.151, 299.529

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 15.044, 297.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 40.151, 299.529 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(107, 98, 165)` looks like.

```
.text, #text, p{  
    color:rgb(107, 98, 165)  
}
```

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(107, 98, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 98, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 40.151, 299.529 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(107, 98, 165) }
```

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

```
.border{ border-color:rgb(107, 98, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 98, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 98, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 98, 165); box-shadow:4px 4px 4px 4px rgb(107, 98, 165) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 40.151, 299.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 98, 165) }
```

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

```
.background{ background-color: rgb(107, 98,  
165) }
```

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