

Converting Colors

CIELCh(45, 34.896, 302.265)

Have a look what the booklet for
CIELCh(45, 34.896, 302.265)
contains.

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Color

CIELCh(45, 35.059, 302.481)

Conversions

Conversions Part 1

Format	Color
Hex	70629C
RGB	112, 98, 156
RGB Percent	44%, 38%, 61%
CMY	0.5613, 0.6162, 0.3888
CMYK	0.28, 0.37, 0.00, 0.39
HSL	254°, 23%, 50%
HSV	254°, 37%, 61%
XYZ	17.0082, 14.5417, 33.2988
YIQ	108.7980, -10.2740, 21.0060

Conversions

Conversions Part 2

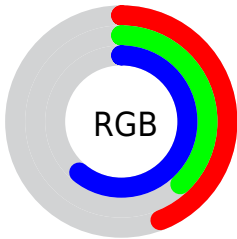
Format	Color
R_{YB}	112, 98, 156
Decimal	7365276
CIE Lab	45.00, 18.83, -29.57
CIE LCh	45, 35.059, 302.481
Yxy	14.5417, 0.2623, 0.2242
Android (android.graphics.Color)	4285555356 (0xFF70629C)
YUV	108.7980, 23.2706, 2.8082
Hunter-Lab	38.1336, 12.8802, -25.0794

Details

The CIELCh color `45, 35.059, 302.481` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `62, 32.337, 117.262`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 35.041, 302.378`, and `25, 35.087, 302.702` is the 20% darker color. If you saturate the color by 10%, you get `40, 45.209, 303.493`, and if you desaturate by 10%, it is `50, 25.187, 301.563`.

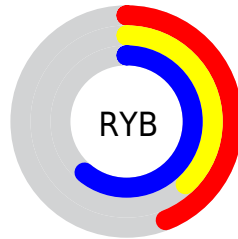
Distribution



Red (44%)

Green (38%)

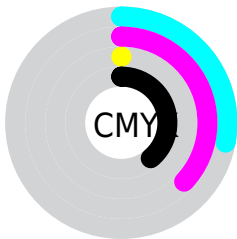
Blue (61%)



Red (44%)

Yellow (38%)

Blue (61%)

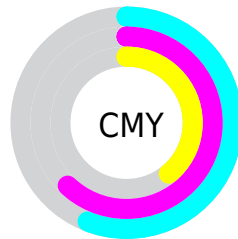


Cyan (28%)

Magenta (37%)

Yellow (0%)

Black (39%)



Cyan (56%)


Magenta (62%)


Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 35.059, 302.481 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, 35.059, 302.481 by changing the saturation by 10% instead.


 45, 35.059,
302.481


 45, 35.059,
302.481


 100, 35.059,
302.481


 35, 35.059,
302.481

 65, 35.059,
302.481


 25, 35.059,
302.481

 75, 35.059,
302.481

 15, 35.059,
302.481


 85, 35.059,
302.481

 5, 35.059, 302.481

 95, 35.059,
302.481

 0, 35.059, 302.481

 45, 35.059,

 45, 35.059,

302.481

■ 40, 45.209,
303.493

■ 35, 55.514,
304.572

■ 30, 65.701,
305.656

■ 26, 75.246,
306.633

■ 22, 83.299,
307.333

■ 20, 89.075,
307.633

■ 19, 90.606,
307.747

302.481

■ 50, 25.187,
301.563

■ 55, 15.643,
300.748

■ 61, 6.436, 300.031


■ 66, 2.441, 119.422

■ 71, 11.003,
118.875

■ 76, 19.269,
118.408

■ 81, 27.255,
118.006

■ 86, 34.980,
117.659

 91, 42.460,
117.361

Harmonies

Complementary

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



45, 35.059, 302.481



62, 32.337, 117.262

Rectangle

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



45, 35.059, 302.481



45, 35.059, 352.481



45, 35.059, 122.481



45, 35.059, 172.481

Sweetspot

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



45, 35.058, 302.481



74, 12.195, 300.307



57, 16.668, 226.021



38, 8.277, 300.396



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



45, 35.058, 302.481



52, 53.009, 303.352



48, 37.369, 318.338



31, 5.128, 300.171



17, 84.919, 307.808



1, 6.599, 299.101

Inverse Universe

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



49, 33.642, 334.506



59, 49.656, 335.156



60, 36.511, 134.934



31, 5.159, 332.566



32, 62.582, 340.457



1, 6.539, 333.331

Previews

White Background



This preview shows how the CIELCh color 45, 35.059, 302.481 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, 35.059, 302.481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

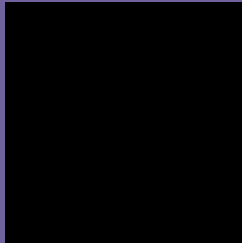
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 35.059, 302.481

Background



This preview shows how black text looks on a background with the CIELCh color 45, 35.059, 302.481.

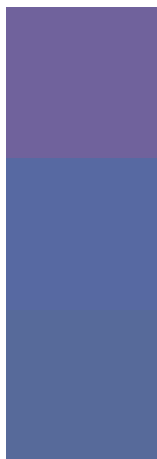


This preview shows how white text looks on a background with the CIELCh color 45, 35.059, 302.481.

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, 35.059, 302.481

Protanopia

45, 34.151, 285.425

Deuteranopia

45, 28.978, 281.985



Tritanopia
45, 5.418, 282.559

Trichromacy



Original Color
45, 35.059, 302.481

Protanomaly
45, 34.599, 291.664

Deuteranomaly
45, 31.040, 290.160

Tritanomaly
45, 16.255, 297.691

Monochromacy



Original Color
45, 35.059, 302.481

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 12.710, 300.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 35.059, 302.481 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(112, 98, 156)` looks like.

```
.text, #text, p{  
    color:rgb(112, 98, 156)  
}
```

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(112, 98, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 98, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 35.059, 302.481 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(112, 98, 156) }
```

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

```
.border{ border-color:rgb(112, 98, 156) }
```

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

Here you see how a box with a 4 pixel rgb(112, 98, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 98, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 98, 156);  
box-shadow:4px 4px 4px 4px rgb(112, 98,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 35.059, 302.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 98, 156) }
```

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

```
.background{ background-color: rgb(112, 98,  
156) }
```

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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