

Converting Colors

CIELCh(45, 58.665, 299.084)

Have a look what the booklet for
CIELCh(45, 58.665, 299.084)
contains.

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Color

CIELCh(45, 58.837, 299.179)

Conversions

Conversions Part 1

Format	Color
Hex	645EC1
RGB	100, 94, 193
RGB Percent	39%, 37%, 76%
CMY	0.6082, 0.6317, 0.2435
CMYK	0.48, 0.51, 0.00, 0.24
HSL	244°, 44%, 56%
HSV	244°, 51%, 76%
XYZ	18.8566, 14.5417, 52.2121
YIQ	107.0800, -28.2030, 32.0610

Conversions

Conversions Part 2

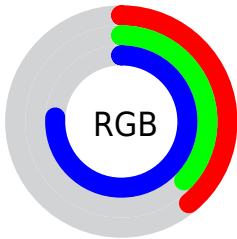
Format	Color
R _Y B	100, 94, 193
Decimal	6577857
CIE Lab	45.00, 28.69, -51.37
CIE LCh	45, 58.837, 299.179
Yxy	14.5417, 0.2203, 0.1699
Android (android.graphics.Color)	4284767937 (0xFF645EC1)
YUV	107.0800, 42.3586, -6.2092
Hunter-Lab	38.1336, 21.5325, -54.4857

Details

The CIELCh color `45, 58.837, 299.179` is a dark color, and the websafe version is hex `6666CC`. The color can be described as dark muted purple. A complement of this color would be `76, 51.108, 108.215`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 58.467, 298.994`, and `25, 58.933, 299.104` is the 20% darker color. If you saturate the color by 10%, you get `39, 71.490, 301.021`, and if you desaturate by 10%, it is `51, 46.440, 297.493`.

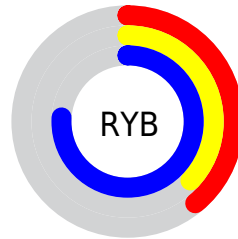
Distribution



Red (39%)

Green (37%)

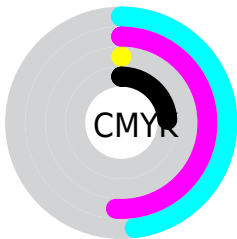
Blue (76%)



Red (39%)

Yellow (37%)

Blue (76%)

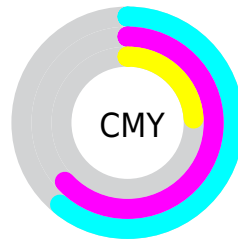


Cyan (48%)

Magenta (51%)

Yellow (0%)

Black (24%)



Cyan (61%)


Magenta (63%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 58.837, 299.179 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, 58.837, 299.179 by changing the saturation by 10% instead.


 45, 58.837,
299.179


 45, 58.837,
299.179


 100, 58.837,
299.179


 35, 58.837,
299.179

 65, 58.837,
299.179


 25, 58.837,
299.179

 75, 58.837,
299.179

 15, 58.837,
299.179

 85, 58.837,
299.179

 5, 58.837, 299.179

 95, 58.837,
299.179

 0, 58.837, 299.179

 45, 58.837,

 45, 58.837,

299.179

■ 39, 71.490,
301.021

■ 33, 83.931,
302.901

■ 29, 95.162,
304.599

■ 25, 103.608,
305.816

■ 23, 108.176,
306.457

299.179

■ 51, 46.440,
297.493

■ 58, 34.475,
296.005

■ 64, 22.985,
294.718


■ 71, 11.958,
293.616

■ 77, 1.369, 292.701

■ 84, 8.814, 111.865

■ 90, 18.621,
111.182

■ 96, 28.077,
110.595

 99, 31.265,
107.799

Harmonies

Complementary

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



45, 58.837, 299.179



76, 51.108, 108.215

Rectangle

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



45, 58.837, 299.179



45, 58.837, 349.179



45, 58.837, 119.179



45, 58.837, 169.179

Sweetspot

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



45, 58.836, 299.180



86, 19.716, 294.027



71, 28.622, 202.730



44, 13.506, 294.261



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



45, 58.836, 299.180



50, 89.400, 301.335



50, 59.801, 313.194



37, 5.992, 293.422



18, 94.397, 306.499



1, 19.500, 292.772

Inverse Universe

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



55, 60.971, 328.925



66, 87.634, 329.480



72, 56.000, 128.456



38, 6.934, 326.609



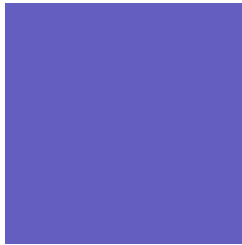
37, 78.053, 330.767



4, 22.895, 328.434

Previews

White Background



This preview shows how the CIELCh color 45, 58.837, 299.179 looks on a white background.

Color Contrast Check

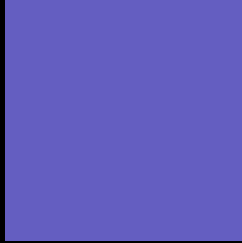
Large Text (above 18pt) WCAG AA ✓ Pass

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, 58.837, 299.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

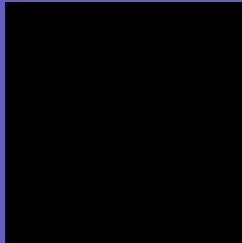
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 45, 58.837, 299.179

Background



This preview shows how black text looks on a background with the CIELCh color 45, 58.837, 299.179.

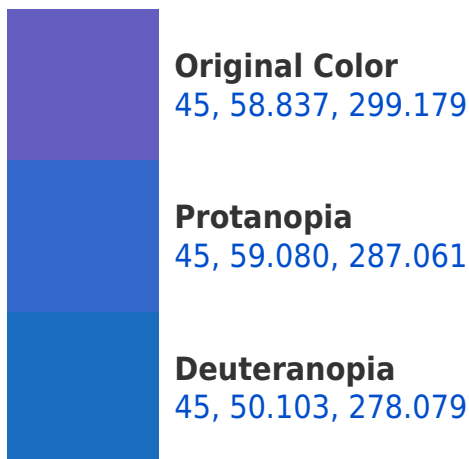



This preview shows how white text looks on a background with the CIELCh color 45, 58.837, 299.179.

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





Tritanopia
45, 12.869, 223.050

Trichromacy



Original Color
45, 58.837, 299.179

Protanomaly
45, 58.871, 290.662

Deuteranomaly
45, 52.894, 284.787

Tritanomaly
45, 25.538, 280.232

Monochromacy



Original Color
45, 58.837, 299.179

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 21.583, 295.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 58.837, 299.179 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(100, 94, 193)` looks like.

```
.text, #text, p{  
    color:rgb(100, 94, 193)  
}
```

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(100, 94, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 94, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 58.837, 299.179 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(100, 94, 193) }
```

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

```
.border{ border-color:rgb(100, 94, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 94, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 94, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 94, 193);  
box-shadow:4px 4px 4px 4px rgb(100, 94,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 58.837, 299.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 94, 193) }
```

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

```
.background{ background-color: rgb(100, 94,  
193) }
```

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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