

Converting Colors

CIELCh(45, 78.363, 298.715)

Have a look what the booklet for
CIELCh(45, 78.363, 298.715)
contains.

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Color

CIELCh(45, 78.373, 298.723)

Conversions

Conversions Part 1

Format	Color
Hex	545ADF
RGB	84, 90, 223
RGB Percent	33%, 35%, 87%
CMY	0.6703, 0.6468, 0.1252
CMYK	0.62, 0.60, 0.00, 0.13
HSL	237°, 69%, 60%
HSV	237°, 62%, 87%
XYZ	20.6526, 14.5417, 71.5785
YIQ	103.3680, -46.2690, 40.0910

Conversions

Conversions Part 2

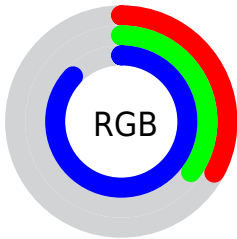
Format	Color
R_{YB}	84, 90, 223
Decimal	5528287
CIE _{Lab}	45.00, 37.66, -68.73
CIE _{LCh}	45, 78.373, 298.723
Yxy	14.5417, 0.1934, 0.1362
Android (android.graphics.Color)	4283718367 (0xFF545ADF)
YUV	103.3680, 58.9786, -16.9857
Hunter-Lab	38.1336, 29.9391, -84.5966

Details

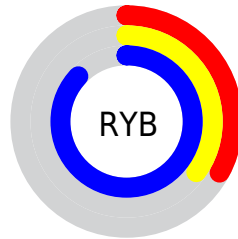
The CIELCh color **45, 78.373, 298.723** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **85, 65.586, 102.307**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 64.173, 298.007**, and **26, 78.350, 299.803** is the 20% darker color. If you saturate the color by 10%, you get **39, 92.095, 301.099**, and if you desaturate by 10%, it is **52, 64.583, 296.445**.

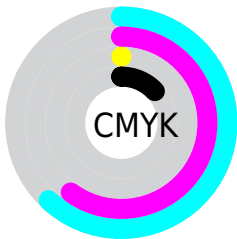
Distribution



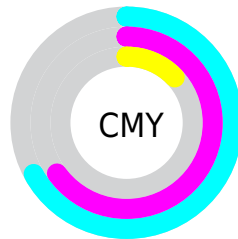
- Red (33%)
- Green (35%)
- Blue (87%)



- Red (33%)
- Yellow (35%)
- Blue (87%)



- Cyan (62%)
- Magenta (60%)
- Yellow (0%)
- Black (13%)





- Cyan (67%)
- Magenta (65%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 78.373, 298.723 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, 78.373, 298.723 by changing the saturation by 10% instead.


 45, 78.373,
298.723


 45, 78.373,
298.723


 100, 78.373,
298.723


 35, 78.373,
298.723

 65, 78.373,
298.723


 25, 78.373,
298.723

 75, 78.373,
298.723

 15, 78.373,
298.723

 85, 78.373,
298.723

 5, 78.373, 298.723

 95, 78.373,
298.723

 0, 78.373, 298.723

 45, 78.373,

 45, 78.373,

298.723

■ 39, 92.095,
301.099

■ 34, 104.728,
303.327

■ 30, 114.559,
305.074

■ 28, 119.166,
305.879

298.723

■ 52, 64.583,
296.445

■ 59, 51.167,
294.389

■ 66, 38.264,
292.596

■ 73, 25.885,
291.060

■ 80, 14.004,
289.756

■ 87, 2.582, 288.674

■ 94, 8.416, 107.686

■ 99, 16.152,
108.957

Harmonies

Complementary

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



45, 78.373, 298.723



85, 65.586, 102.307

Rectangle

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



45, 78.373, 298.723



45, 78.373, 348.723



45, 78.373, 118.723



45, 78.373, 168.723

Sweetspot

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



45, 78.373, 298.724



85, 24.423, 290.624



82, 39.411, 191.305



43, 16.905, 291.020



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 78.373, 298.724



43, 106.650, 301.856



49, 81.165, 310.771



43, 6.459, 289.422



21, 99.310, 305.740



2, 30.688, 294.958

Inverse Universe

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



55, 60.336, 25.221



57, 81.689, 29.717



82, 72.836, 124.566



44, 4.730, 16.456



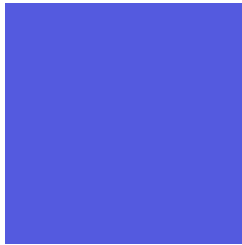
36, 77.272, 38.191



6, 25.442, 19.134

Previews

White Background



This preview shows how the CIELCh color 45, 78.373, 298.723 looks on a white background.

Color Contrast Check

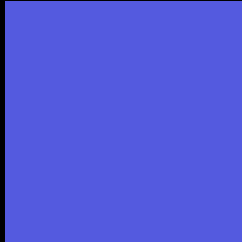
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.373, 298.723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

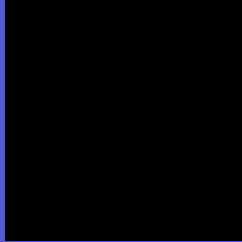
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 78.373, 298.723

Background



This preview shows how black text looks on a background with the CIELCh color 45, 78.373, 298.723.



This preview shows how white text looks on a background with the CIELCh color 45, 78.373, 298.723.

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, 78.373, 298.723

Protanopia

45, 68.590, 287.367

Deuteranopia

45, 48.353, 274.691



Tritanopia
45, 24.662, 209.647

Trichromacy



Original Color
45, 78.373, 298.723

Protanomaly
44, 71.967, 290.442

Deuteranomaly
44, 58.952, 284.922

Tritanomaly
44, 34.632, 269.142

Monochromacy



Original Color
45, 78.373, 298.723

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 29.464, 292.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 78.373, 298.723 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(84, 90, 223)` looks like.

```
.text, #text, p{  
    color:rgb(84, 90, 223)  
}
```

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(84, 90, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 90, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 78.373, 298.723 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(84, 90, 223) }
```

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

```
.border{ border-color:rgb(84, 90, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 90, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 90, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 90, 223);  
box-shadow:4px 4px 4px 4px rgb(84, 90,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 78.373, 298.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 90, 223) }
```

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

```
.background{ background-color: rgb(84, 90,  
223) }
```

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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