

Converting Colors

CIELCh(45, 79.572, 296.091)

Have a look what the booklet for
CIELCh(45, 79.572, 296.091)
contains.

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Color

CIELCh(45, 79.573, 296.092)

Conversions

Conversions Part 1

Format	Color
Hex	425DE4
RGB	66, 93, 228
RGB Percent	26%, 36%, 89%
CMY	0.7421, 0.6359, 0.1066
CMYK	0.71, 0.59, 0.00, 0.11
HSL	230°, 75%, 58%
HSV	230°, 71%, 89%
XYZ	20.1078, 14.5417, 75.0081
YIQ	100.3170, -59.4270, 36.2610

Conversions

Conversions Part 2

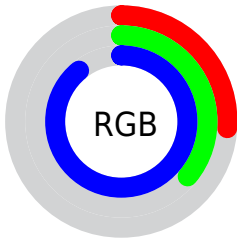
Format	Color
R_{YB}	66, 89, 228
Decimal	4349412
CIE _{Lab}	45.00, 35.00, -71.46
CIE _{LCh}	45, 79.573, 296.092
Yxy	14.5417, 0.1834, 0.1326
Android (android.graphics.Color)	4282539492 (0xFF425DE4)
YUV	100.3170, 62.9477, -30.0960
Hunter-Lab	38.1336, 27.3889, -89.9288

Details

The CIELCh color **45, 79.573, 296.092** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **81, 67.518, 94.022**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 62.426, 294.011**, and **27, 78.000, 299.087** is the 20% darker color. If you saturate the color by 10%, you get **40, 91.924, 298.966**, and if you desaturate by 10%, it is **51, 67.227, 293.325**.

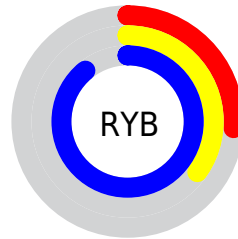
Distribution



Red (26%)

Green (36%)

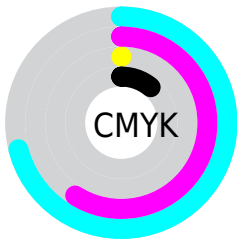
Blue (89%)



Red (26%)

Yellow (35%)

Blue (89%)

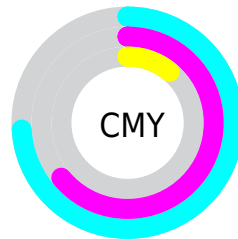


Cyan (71%)

Magenta (59%)

Yellow (0%)

Black (11%)



Cyan (74%)


Magenta (64%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 79.573, 296.092 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, 79.573, 296.092 by changing the saturation by 10% instead.

 45, 79.573,
296.092


 45, 79.573,
296.092


 100, 79.573,
296.092


 35, 79.573,
296.092

 65, 79.573,
296.092


 25, 79.573,
296.092

 75, 79.573,
296.092

 15, 79.573,
296.092

 85, 79.573,
296.092

 5, 79.573, 296.092

 95, 79.573,
296.092

 0, 79.573, 296.092

 45, 79.573,

 45, 79.573,

296.092

296.092

■ 40, 91.924,
298.966

■ 51, 67.227,
293.325

■ 35, 103.532,
301.702

■ 57, 55.210,
290.804

■ 32, 112.254,
303.732

■ 64, 43.617,
288.586


■ 70, 32.444,
286.672

■ 77, 21.661,
285.035

■ 83, 11.234,
283.642

■ 90, 1.136, 282.567

■ 96, 8.656, 101.387

 99, 13.758,
109.138

Harmonies

Complementary

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



45, 79.573, 296.092



81, 67.518, 94.022

Rectangle

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



45, 79.573, 296.092



45, 79.573, 346.092



45, 79.573, 116.092



45, 79.573, 166.092

Sweetspot

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



45, 79.573, 296.093



85, 23.583, 285.034



82, 48.129, 176.975



43, 16.035, 285.463



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, 79.573, 296.093



42, 105.826, 300.203



43, 94.215, 307.887



45, 5.751, 283.431



24, 92.399, 303.373



4, 29.801, 293.235

Inverse Universe

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



53, 67.130, 19.023



55, 85.521, 25.262



85, 79.591, 119.139



45, 4.926, 6.588



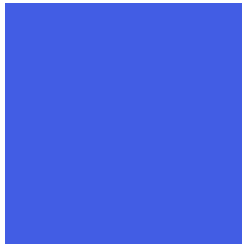
37, 72.573, 31.670



7, 26.703, 14.799

Previews

White Background



This preview shows how the CIE LCh color 45, 79.573, 296.092 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, 79.573, 296.092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

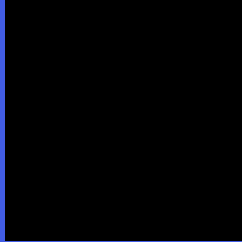
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 79.573, 296.092

Background



This preview shows how black text looks on a background with the CIELCh color 45, 79.573, 296.092.

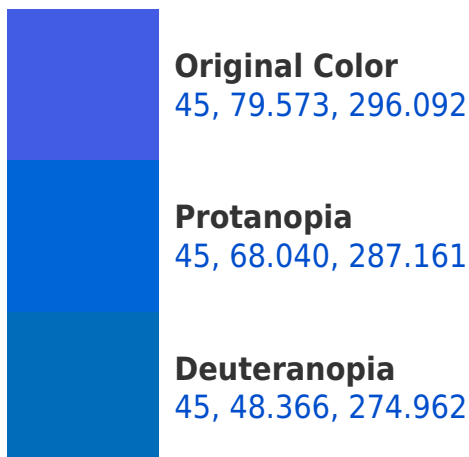


This preview shows how white text looks on a background with the CIELCh color 45, 79.573, 296.092.

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, 27.222, 208.191

Trichromacy



Original Color
45, 79.573, 296.092

Protanomaly
45, 71.961, 289.869

Deuteranomaly
44, 59.602, 284.654

Tritanomaly
44, 36.506, 264.262

Monochromacy



Original Color
45, 79.573, 296.092

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 29.610, 288.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 79.573, 296.092 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(66, 93, 228)` looks like.

```
.text, #text, p{  
    color:rgb(66, 93, 228)  
}
```

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(66, 93, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 93, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 79.573, 296.092 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(66, 93, 228) }
```

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

```
.border{ border-color:rgb(66, 93, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 93, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 93, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 93, 228);  
box-shadow:4px 4px 4px 4px rgb(66, 93,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 79.573, 296.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 93, 228) }
```

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

```
.background{ background-color: rgb(66, 93,  
228) }
```

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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