

Converting Colors

CIELCh(45, 86.404, 298.611)

Have a look what the booklet for
CIELCh(45, 86.404, 298.611)
contains.

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Color

CIELCh(45, 86.903, 298.756)

Conversions

Conversions Part 1

Format	Color
Hex	4A58EC
RGB	74, 88, 236
RGB Percent	29%, 35%, 93%
CMY	0.7087, 0.6542, 0.0737
CMYK	0.69, 0.63, 0.00, 0.07
HSL	235°, 81%, 61%
HSV	235°, 69%, 93%
XYZ	21.5184, 14.5417, 81.1861
YIQ	100.6860, -55.8520, 43.0600

Conversions

Conversions Part 2

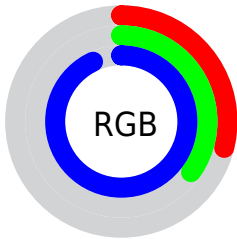
Format	Color
R _Y B	74, 87, 236
Decimal	4872428
CIE Lab	45.00, 41.81, -76.19
CIE LCh	45, 86.903, 298.756
Yxy	14.5417, 0.1835, 0.1240
Android (android.graphics.Color)	4283062508 (0xFF4A58EC)
YUV	100.6860, 66.7098, -23.4036
Hunter-Lab	38.1336, 33.9919, -99.5344

Details

The CIELCh color **45, 86.903, 298.756** 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 **87, 71.681, 99.391**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 65.398, 297.431**, and **27, 85.444, 300.929** is the 20% darker color. If you saturate the color by 10%, you get **39, 100.514, 301.285**, and if you desaturate by 10%, it is **52, 72.982, 296.260**.

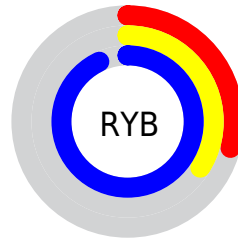
Distribution



Red (29%)

Green (35%)

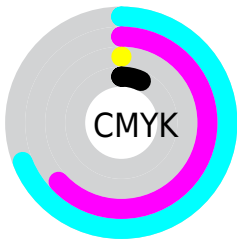
Blue (93%)



Red (29%)

Yellow (34%)

Blue (93%)

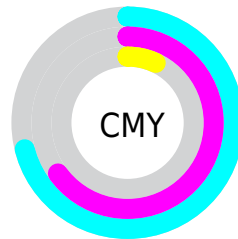


Cyan (69%)

Magenta (63%)

Yellow (0%)

Black (7%)



Cyan (71%)


Magenta (65%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 86.903, 298.756 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, 86.903, 298.756 by changing the saturation by 10% instead.


 45, 86.903,
298.756


 45, 86.903,
298.756


 100, 86.903,
298.756


 35, 86.903,
298.756

 65, 86.903,
298.756


 25, 86.903,
298.756

 75, 86.903,
298.756

 15, 86.903,
298.756

 85, 86.903,
298.756

 5, 86.903, 298.756

 95, 86.903,
298.756

 0, 86.903, 298.756

 45, 86.903,

 45, 86.903,

298.756

298.756

■ 39, 100.514,
301.285

■ 52, 72.982,
296.260

■ 34, 112.598,
303.561

■ 59, 59.336,
293.962

■ 31, 121.417,
305.245

■ 66, 46.170,
291.935

■ 31, 122.348,
305.412

■ 73, 33.523,
290.186

■ 80, 21.371,
288.694

■ 87, 9.677, 287.430

■ 95, 1.594, 106.266

■ 100, 9.514,
109.457

Harmonies

Complementary

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



45, 86.903, 298.756



87, 71.681, 99.391

Rectangle

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



45, 86.903, 298.756



45, 86.903, 348.756



45, 86.903, 118.756



45, 86.903, 168.756

Sweetspot

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



45, 86.903, 298.757



84, 25.860, 289.049



85, 45.115, 185.486



42, 17.595, 289.455



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, 86.903, 298.757



40, 111.641, 302.194



48, 93.247, 309.755



45, 6.401, 287.536



23, 99.410, 305.176



3, 33.606, 296.126

Inverse Universe

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



56, 68.678, 24.244



56, 86.783, 29.731



87, 81.338, 122.583



46, 4.927, 13.010



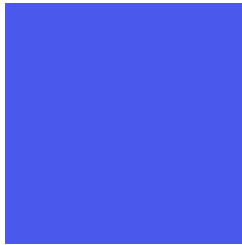
38, 77.262, 36.480



7, 28.199, 19.213

Previews

White Background



This preview shows how the CIE LCh color 45, 86.903, 298.756 looks on a white background.

Color Contrast Check

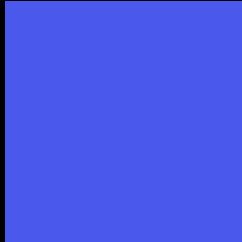
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.903, 298.756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

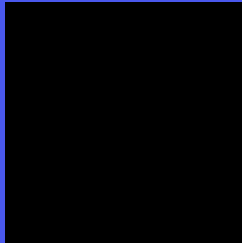
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 86.903, 298.756

Background



This preview shows how black text looks on a background with the CIELCh color 45, 86.903, 298.756.



This preview shows how white text looks on a background with the CIELCh color 45, 86.903, 298.756.

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, 86.903, 298.756

Protanopia

45, 68.040, 287.161

Deuteranopia

45, 47.326, 273.819



Tritanopia
45, 27.222, 208.191

Trichromacy



Original Color
45, 86.903, 298.756

Protanomaly
44, 74.852, 291.203

Deuteranomaly
44, 61.831, 286.055

Tritanomaly
44, 38.266, 267.588

Monochromacy



Original Color
45, 86.903, 298.756

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 32.559, 291.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 86.903, 298.756 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(74, 88, 236)` looks like.

```
.text, #text, p{  
    color:rgb(74, 88, 236)  
}
```

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(74, 88, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 88, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 86.903, 298.756 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(74, 88, 236) }
```

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

```
.border{ border-color:rgb(74, 88, 236) }
```

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

Here you see how a box with a 4 pixel rgb(74, 88, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 88, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 88, 236);  
box-shadow:4px 4px 4px 4px rgb(74, 88,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 86.903, 298.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 88, 236) }
```

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

```
.background{ background-color: rgb(74, 88,  
236) }
```

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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