

Converting Colors

CIELCh(44, 61.373, 296.470)

Have a look what the booklet for
CIELCh(44, 61.373, 296.470)
contains.

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Color

CIELCh(44, 61.329, 296.408)

Conversions

Conversions Part 1

Format	Color
Hex	565DC4
RGB	86, 93, 196
RGB Percent	34%, 36%, 77%
CMY	0.6620, 0.6347, 0.2306
CMYK	0.56, 0.53, 0.00, 0.23
HSL	236°, 48%, 55%
HSV	236°, 56%, 77%
XYZ	17.7688, 13.8382, 54.0694
YIQ	102.6490, -37.2350, 30.5490

Conversions

Conversions Part 2

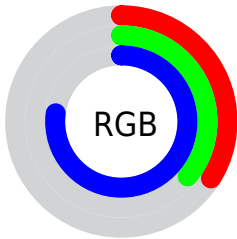
Format	Color
RYB	86, 93, 196
Decimal	5660100
CIELab	44.00, 27.28, -54.93
CIElCh	44, 61.329, 296.408
Yxy	13.8382, 0.2074, 0.1615
Android (android.graphics.Color)	4283850180 (0xFF565DC4)
YUV	102.6490, 46.0220, -14.6012
Hunter-Lab	37.1997, 20.1628, -60.1374

Details

The CIELCh color **44, 61.329, 296.408** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **75, 53.108, 101.856**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 61.268, 296.528**, and **24, 61.358, 296.511** is the 20% darker color. If you saturate the color by 10%, you get **38, 73.549, 298.772**, and if you desaturate by 10%, it is **50, 49.390, 294.253**.

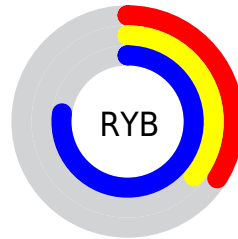
Distribution



Red (34%)

Green (36%)

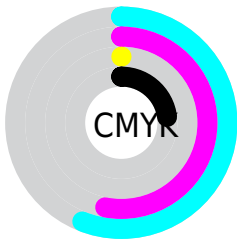
Blue (77%)



Red (34%)

Yellow (36%)

Blue (77%)

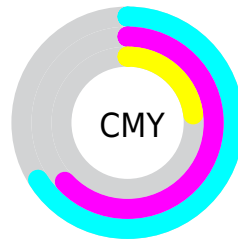


Cyan (56%)

Magenta (53%)

Yellow (0%)

Black (23%)



Cyan (66%)

Magenta (63%)

Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 61.329, 296.408 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 44, 61.329, 296.408 by changing the saturation by 10% instead.

 44, 61.329,
296.408


 44, 61.329,
296.408


 100, 61.329,
296.408

 34, 61.329,
296.408

 64, 61.329,
296.408


 24, 61.329,
296.408

 74, 61.329,
296.408

 14, 61.329,
296.408

 84, 61.329,
296.408

 4, 61.329, 296.408

 94, 61.329,
296.408

 0, 61.329, 296.408

 44, 61.329,

 44, 61.329,

296.408

■ 38, 73.549,
298.772

■ 33, 85.605,
301.197

■ 28, 96.522,
303.429

■ 25, 104.788,
305.140

■ 25, 107.044,
305.574

296.408

■ 50, 49.390,
294.253

■ 56, 37.886,
292.359

■ 63, 26.838,
290.728


■ 69, 16.225,
289.338

■ 75, 6.015, 288.163

■ 82, 3.822, 107.115

■ 88, 13.315,
106.268

■ 94, 22.488,
105.530

 99, 29.636,
107.925

Harmonies

Complementary

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



44, 61.329, 296.408



75, 53.108, 101.856

Rectangle

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



44, 61.329, 296.408



44, 61.329, 346.408



44, 61.329, 116.408



44, 61.329, 166.408

Sweetspot

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



44, 61.329, 296.409



87, 21.294, 289.494



73, 33.550, 190.004



45, 14.298, 289.765



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 61.329, 296.409



49, 92.554, 299.255



47, 65.823, 309.926



38, 5.601, 288.527



19, 91.698, 305.390



1, 18.600, 289.416

Inverse Universe

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



51, 48.062, 21.917



60, 72.070, 25.419



74, 59.630, 124.108



38, 4.196, 14.801



33, 71.276, 37.113



3, 14.036, 15.950

Previews

White Background



This preview shows how the CIELCh color 44, 61.329, 296.408 looks on a white background.

Color Contrast Check

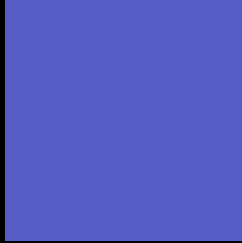
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 61.329, 296.408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

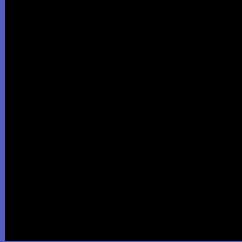
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 44, 61.329, 296.408

Background



This preview shows how black text looks on a background with the CIELCh color 44, 61.329, 296.408.




This preview shows how white text looks on a background with the CIELCh color 44, 61.329, 296.408.

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
44, 18.500, 214.653

Trichromacy



Original Color
44, 61.329, 296.408

Protanomaly
44, 61.527, 289.774

Deuteranomaly
43, 54.033, 282.741

Tritanomaly
43, 27.537, 269.691

Monochromacy



Original Color
44, 61.329, 296.408

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 22.868, 291.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 61.329, 296.408 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(86, 93, 196)` looks like.

```
.text, #text, p{  
    color:rgb(86, 93, 196)  
}
```

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(86, 93, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 93, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 61.329, 296.408 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(86, 93, 196) }
```

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

```
.border{ border-color:rgb(86, 93, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 93, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 93, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 93, 196);  
box-shadow:4px 4px 4px 4px rgb(86, 93,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 61.329, 296.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 93, 196) }
```

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

```
.background{ background-color: rgb(86, 93,  
196) }
```

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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