

Converting Colors

CIELCh(44, 63.196, 296.105)

Have a look what the booklet for
CIELCh(44, 63.196, 296.105)
contains.

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Color

CIELCh(44, 63.078, 296.034)

Conversions

Conversions Part 1

Format	Color
Hex	535DC7
RGB	83, 93, 199
RGB Percent	33%, 36%, 78%
CMY	0.6737, 0.6346, 0.2189
CMYK	0.58, 0.53, 0.00, 0.22
HSL	235°, 51%, 55%
HSV	235°, 58%, 78%
XYZ	17.8451, 13.8382, 55.8799
YIQ	102.0940, -39.9860, 30.8460

Conversions

Conversions Part 2

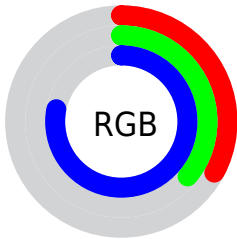
Format	Color
RYB	83, 92, 199
Decimal	5463495
CIELab	44.00, 27.69, -56.68
CIELCh	44, 63.078, 296.034
Yxy	13.8382, 0.2038, 0.1580
Android (android.graphics.Color)	4283653575 (0xFF535DC7)
YUV	102.0940, 47.7747, -16.7454
Hunter-Lab	37.1997, 20.5288, -63.0231

Details

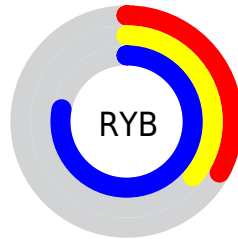
The CIELCh color **44, 63.078, 296.034** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **76, 54.570, 100.434**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 62.357, 296.126**, and **24, 63.275, 296.248** is the 20% darker color. If you saturate the color by 10%, you get **38, 75.191, 298.493**, and if you desaturate by 10%, it is **50, 51.229, 293.783**.

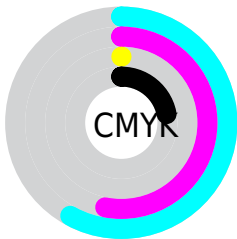
Distribution



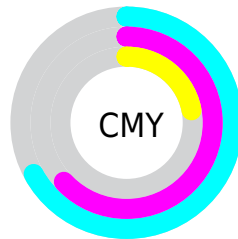
- Red (33%)
- Green (36%)
- Blue (78%)



- Red (33%)
- Yellow (36%)
- Blue (78%)



- Cyan (58%)
- Magenta (53%)
- Yellow (0%)
- Black (22%)




- Cyan (67%)
- Magenta (63%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 63.078, 296.034 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, 63.078, 296.034 by changing the saturation by 10% instead.


 44, 63.078,
296.034


 44, 63.078,
296.034


 100, 63.078,
296.034


 34, 63.078,
296.034

 64, 63.078,
296.034


 24, 63.078,
296.034

 74, 63.078,
296.034

 14, 63.078,
296.034

 84, 63.078,
296.034

 4, 63.078, 296.034

 94, 63.078,
296.034

 0, 63.078, 296.034

 44, 63.078,

 44, 63.078,

296.034

■ 38, 75.191,
298.493

■ 33, 87.112,
301.003

■ 29, 97.868,
303.303

■ 26, 106.010,
305.055

■ 25, 107.099,
305.270

296.034

■ 50, 51.229,
293.783

■ 56, 39.800,
291.797

■ 63, 28.818,
290.084


■ 69, 18.261,
288.622

■ 75, 8.097, 287.381

■ 81, 1.704, 106.246

■ 88, 11.169,
105.385

■ 94, 20.322,
104.606

 99, 28.138,
108.040

Harmonies

Complementary

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



44, 63.078, 296.034



76, 54.570, 100.434

Rectangle

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



44, 63.078, 296.034



44, 63.078, 346.034



44, 63.078, 116.034



44, 63.078, 166.034

Sweetspot

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



44, 63.078, 296.035



87, 20.776, 288.491



74, 35.578, 186.492



45, 13.949, 288.766



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, 63.078, 296.035



47, 94.637, 299.199



46, 69.193, 309.105



39, 5.586, 287.513



20, 91.674, 305.056



2, 20.211, 289.485

Inverse Universe

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



51, 50.373, 20.840



59, 74.631, 24.861



75, 61.906, 122.758



39, 4.299, 12.990



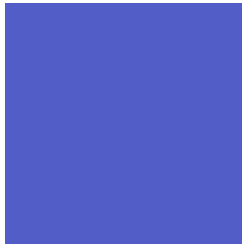
34, 71.257, 36.133



3, 15.949, 14.962

Previews

White Background



This preview shows how the CIE LCh color 44, 63.078, 296.034 looks on a white background.

Color Contrast Check

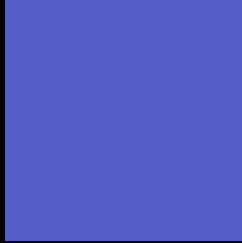
Large Text (above 18pt) WCAG AA ✓ Pass

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, 63.078, 296.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

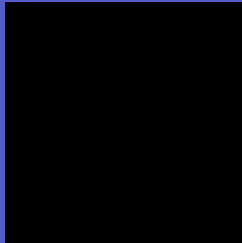
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 63.078, 296.034

Background



This preview shows how black text looks on a background with the CIELCh color 44, 63.078, 296.034.



This preview shows how white text looks on a background with the CIELCh color 44, 63.078, 296.034.

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


44, 63.078, 296.034

Protanopia

44, 64.031, 287.593

Deuteranopia

44, 48.918, 275.922



Tritanopia
44, 20.330, 212.879

Trichromacy



Original Color
44, 63.078, 296.034

Protanomaly
44, 63.310, 289.651

Deuteranomaly
43, 54.051, 282.645

Tritanomaly
44, 28.552, 267.509

Monochromacy



Original Color
44, 63.078, 296.034

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 22.887, 289.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 63.078, 296.034 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(83, 93, 199)` looks like.

```
.text, #text, p{  
    color:rgb(83, 93, 199)  
}
```

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(83, 93, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 93, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 63.078, 296.034 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(83, 93, 199) }
```

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

```
.border{ border-color:rgb(83, 93, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 93, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 93, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 93, 199);  
box-shadow:4px 4px 4px 4px rgb(83, 93,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 63.078, 296.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 93, 199) }
```

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

```
.background{ background-color: rgb(83, 93,  
199) }
```

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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