

Converting Colors

CIELCh(44, 57.780, 296.583)

Have a look what the booklet for
CIELCh(44, 57.780, 296.583)
contains.

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Color

CIELCh(44, 57.780, 296.583)

Conversions

Conversions Part 1

Format	Color
Hex	5A5EBF
RGB	90, 94, 191
RGB Percent	35%, 37%, 75%
CMY	0.6487, 0.6328, 0.2526
CMYK	0.53, 0.51, 0.00, 0.25
HSL	238°, 44%, 55%
HSV	238°, 53%, 75%
XYZ	17.5053, 13.8382, 50.8013
YIQ	103.8620, -33.5210, 29.3190

Conversions

Conversions Part 2

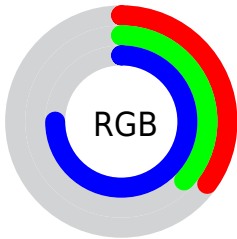
Format	Color
R_{YB}	90, 94, 191
Decimal	5922495
CIE _{Lab}	44.00, 25.86, -51.67
CIE _{LCh}	44, 57.780, 296.583
Yxy	13.8382, 0.2131, 0.1685
Android (android.graphics.Color)	4284112575 (0xFF5A5EBF)
YUV	103.8620, 42.9590, -12.1570
Hunter-Lab	37.1997, 18.8982, -54.9288

Details

The CIELCh color `44, 57.780, 296.583` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `74, 50.295, 103.318`, and the grayscale version is `44, 0.006, 296.813`.

A 20% lighter version of the original color is `64, 57.948, 296.790`, and `24, 58.075, 296.709` is the 20% darker color. If you saturate the color by 10%, you get `38, 69.951, 298.836`, and if you desaturate by 10%, it is `50, 45.928, 294.547`.

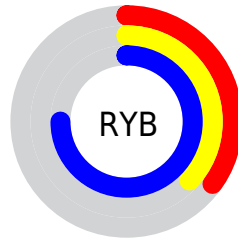
Distribution



Red (35%)

Green (37%)

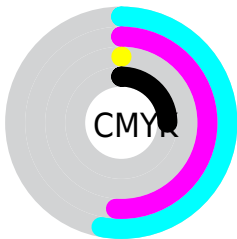
Blue (75%)



Red (35%)

Yellow (37%)

Blue (75%)

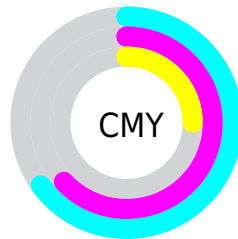


Cyan (53%)

Magenta (51%)

Yellow (0%)

Black (25%)



Cyan (65%)

Magenta (63%)

Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 57.780, 296.583 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, 57.780, 296.583 by changing the saturation by 10% instead.

 44, 57.780,
296.583

 44, 57.780,
296.583

 100, 57.780,
296.583

 34, 57.780,
296.583

 64, 57.780,
296.583

 24, 57.780,
296.583

 74, 57.780,
296.583

 14, 57.780,
296.583

 84, 57.780,
296.583

 4, 57.780, 296.583

 94, 57.780,
296.583

 0, 57.780, 296.583

 44, 57.780,

 44, 57.780,

296.583

■ 38, 69.951,
298.836

■ 33, 82.047,
301.178

■ 28, 93.170,
303.370

■ 25, 101.829,
305.088

■ 23, 105.701,
305.822

296.583

■ 50, 45.928,
294.547

■ 56, 34.522,
292.766

■ 63, 23.576,
291.238


■ 69, 13.067,
289.939

■ 75, 2.963, 288.851

■ 82, 6.767, 107.871

■ 88, 16.152,
107.072

■ 94, 25.216,
106.383

 99, 32.418,
107.711

Harmonies

Complementary

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



44, 57.780, 296.583



74, 50.295, 103.318

Rectangle

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



44, 57.780, 296.583



44, 57.780, 346.583



44, 57.780, 116.583



44, 57.780, 166.583

Sweetspot

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



44, 57.780, 296.584



85, 20.004, 290.339



71, 31.234, 191.901



44, 13.671, 290.606



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



44, 57.780, 296.584



48, 88.098, 299.309



47, 60.763, 310.233



37, 5.614, 289.516



18, 91.654, 305.704



1, 16.928, 289.510

Inverse Universe

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



51, 44.414, 22.830



60, 67.652, 26.038



72, 55.596, 124.840



37, 4.097, 16.661



32, 71.256, 38.030



3, 12.268, 17.087

Previews

White Background



This preview shows how the CIELCh color 44, 57.780, 296.583 looks on a white background.

Color Contrast Check

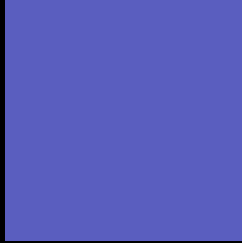
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 44, 57.780, 296.583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

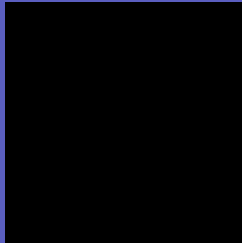
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 57.780, 296.583

Background



This preview shows how black text looks on a background with the CIELCh color 44, 57.780, 296.583.



This preview shows how white text looks on a background with the CIELCh color 44, 57.780, 296.583.

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, 16.220, 217.385

Trichromacy



Original Color
44, 57.780, 296.583

Protanomaly
44, 57.970, 289.981

Deuteranomaly
43, 52.304, 281.770

Tritanomaly
44, 25.867, 272.107

Monochromacy



Original Color
44, 57.780, 296.583

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 21.040, 291.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 57.780, 296.583 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(90, 94, 191)` looks like.

```
.text, #text, p{  
    color:rgb(90, 94, 191)  
}
```

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(90, 94, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 94, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 57.780, 296.583 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(90, 94, 191) }
```

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

```
.border{ border-color:rgb(90, 94, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 94, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 94, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 94, 191);  
box-shadow:4px 4px 4px 4px rgb(90, 94,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 57.780, 296.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 94, 191) }
```

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

```
.background{ background-color: rgb(90, 94,  
191) }
```

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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