

Converting Colors

CIELCh(44, 49.620, 296.745)

Have a look what the booklet for
CIELCh(44, 49.620, 296.745)
contains.

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Color

CIELCh(44, 49.609, 296.696)

Conversions

Conversions Part 1

Format	Color
Hex	5F5FB2
RGB	95, 95, 178
RGB Percent	37%, 37%, 70%
CMY	0.6273, 0.6274, 0.3019
CMYK	0.47, 0.47, 0.00, 0.30
HSL	240°, 35%, 54%
HSV	240°, 47%, 70%
XYZ	16.8547, 13.8382, 43.9158
YIQ	104.4620, -26.6430, 25.8130

Conversions

Conversions Part 2

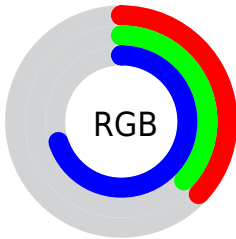
Format	Color
R _Y B	95, 95, 178
Decimal	6250418
CIE Lab	44.00, 22.29, -44.32
CIE LCh	44, 49.609, 296.696
Yxy	13.8382, 0.2259, 0.1855
Android (android.graphics.Color)	4284440498 (0xFF5F5FB2)
YUV	104.4620, 36.2542, -8.2982
Hunter-Lab	37.1997, 15.7762, -43.9545

Details

The CIELCh color $44, 49.609, 296.696$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $71, 43.801, 105.790$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 49.722, 296.921$, and $24, 49.828, 296.782$ is the 20% darker color. If you saturate the color by 10%, you get $38, 61.448, 298.736$, and if you desaturate by 10%, it is $50, 38.153, 294.884$.

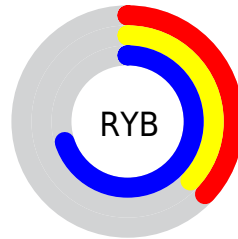
Distribution



Red (37%)

Green (37%)

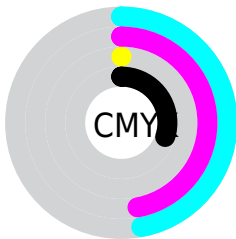
Blue (70%)



Red (37%)

Yellow (37%)

Blue (70%)

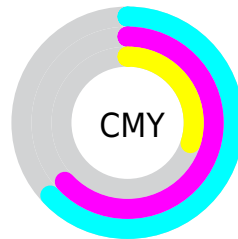


Cyan (47%)

Magenta (47%)

Yellow (0%)

Black (30%)



Cyan (63%)

Magenta (63%)

Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 49.609, 296.696 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, 49.609, 296.696 by changing the saturation by 10% instead.

 44, 49.609,
296.696

 44, 49.609,
296.696

 100, 49.609,
296.696

 34, 49.609,
296.696

 64, 49.609,
296.696


 24, 49.609,
296.696

 74, 49.609,
296.696

 14, 49.609,
296.696

 84, 49.609,
296.696

 4, 49.609, 296.696

 94, 49.609,
296.696

 0, 49.609, 296.696

 44, 49.609,

 44, 49.609,

296.696

■ 38, 61.448,
298.736

■ 33, 73.403,
300.918

■ 28, 84.792,
303.053

■ 24, 94.316,
304.837

■ 22, 100.459,
305.971

■ 21, 102.190,
306.287

296.696

■ 50, 38.153,
294.884

■ 56, 27.154,
293.316

■ 62, 16.609,
291.978


■ 69, 6.491, 290.846

■ 75, 3.232, 109.853

■ 81, 12.591,
109.045

■ 87, 21.611,
108.345

■ 93, 30.317,
107.745

 98, 38.615,
107.232

Harmonies

Complementary

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



44, 49.609, 296.696



71, 43.801, 105.790

Rectangle

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



44, 49.609, 296.696



44, 49.609, 346.696



44, 49.609, 116.696



44, 49.609, 166.696

Sweetspot

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



44, 49.608, 296.697



81, 17.269, 291.690



68, 26.370, 197.297



42, 12.070, 291.948



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



44, 49.608, 296.697



50, 75.429, 298.810



48, 50.606, 311.401



34, 5.590, 291.132



17, 91.390, 306.287



1, 13.317, 290.179

Inverse Universe

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



53, 54.595, 326.864



64, 79.326, 327.304



68, 47.298, 126.921



35, 6.750, 324.926



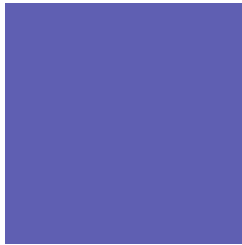
36, 78.924, 328.234



3, 16.261, 324.441

Previews

White Background



This preview shows how the CIELCh color 44, 49.609, 296.696 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, 49.609, 296.696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

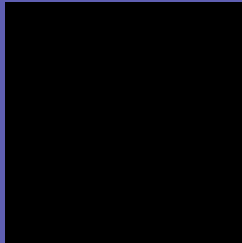
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 44, 49.609, 296.696

Background



This preview shows how black text looks on a background with the CIELCh color 44, 49.609, 296.696.



This preview shows how white text looks on a background with the CIELCh color 44, 49.609, 296.696.

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, 49.609, 296.696

Protanopia

44, 49.841, 286.470

Deuteranopia

44, 43.438, 278.857



Tritanopia
44, 12.309, 224.433

Trichromacy



Original Color
44, 49.609, 296.696

Protanomaly
44, 49.651, 289.780

Deuteranomaly
44, 45.778, 285.480

Tritanomaly
44, 22.319, 275.703

Monochromacy



Original Color
44, 49.609, 296.696

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 18.018, 292.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 49.609, 296.696 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(95, 95, 178)` looks like.

```
.text, #text, p{  
    color:rgb(95, 95, 178)  
}
```

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(95, 95, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 95, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 49.609, 296.696 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(95, 95, 178) }
```

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

```
.border{ border-color:rgb(95, 95, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 95, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 95, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 95, 178);  
box-shadow:4px 4px 4px 4px rgb(95, 95,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 49.609, 296.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 95, 178) }
```

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

```
.background{ background-color: rgb(95, 95,  
178) }
```

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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