

Converting Colors

CIELCh(44, 89.555, 307.674)

Have a look what the booklet for
CIELCh(44, 89.555, 307.674)
contains.

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Color

CIELCh(44, 89.401, 307.602)

Conversions

Conversions Part 1

Format	Color
Hex	7747E0
RGB	119, 71, 224
RGB Percent	47%, 28%, 88%
CMY	0.5328, 0.7212, 0.1211
CMYK	0.47, 0.68, 0.00, 0.12
HSL	259°, 71%, 58%
HSV	259°, 68%, 88%
XYZ	23.3546, 13.8382, 72.0438
YIQ	102.7940, -20.5050, 57.7590

Conversions

Conversions Part 2

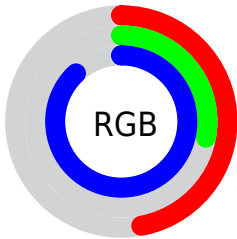
Format	Color
R_{YB}	119, 71, 224
Decimal	7817184
CIE _{Lab}	44.00, 54.55, -70.83
CIE _{LCh}	44, 89.401, 307.602
Yxy	13.8382, 0.2138, 0.1267
Android (android.graphics.Color)	4286007264 (0xFF7747E0)
YUV	102.7940, 59.7546, 14.2127
Hunter-Lab	37.1997, 46.9655, -88.7857

Details

The CIELCh color **44, 89.401, 307.602** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **83, 76.111, 119.029**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 75.042, 309.218**, and **24, 89.710, 307.619** is the 20% darker color. If you saturate the color by 10%, you get **39, 101.351, 308.268**, and if you desaturate by 10%, it is **50, 76.178, 306.761**.

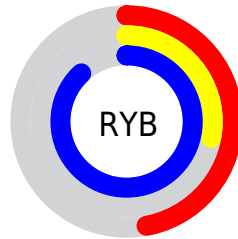
Distribution



Red (47%)

Green (28%)

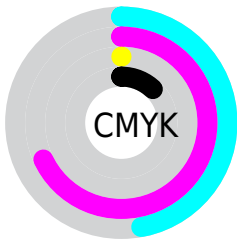
Blue (88%)



Red (47%)

Yellow (28%)

Blue (88%)

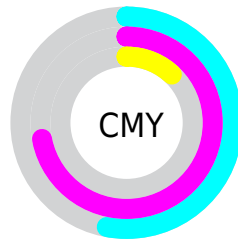


Cyan (47%)

Magenta (68%)

Yellow (0%)

Black (12%)



Cyan (53%)

Magenta (72%)

Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 89.401, 307.602 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, 89.401, 307.602 by changing the saturation by 10% instead.


 44, 89.401,
307.602


 44, 89.401,
307.602


 100, 89.401,
307.602

 34, 89.401,
307.602

 64, 89.401,
307.602

 24, 89.401,
307.602

 74, 89.401,
307.602

 14, 89.401,
307.602


 84, 89.401,
307.602

 4, 89.401, 307.602

 94, 89.401,
307.602

 0, 89.401, 307.602

 44, 89.401,

 44, 89.401,

307.602

307.602

■ 39, 101.351,
308.268

■ 50, 76.178,
306.761

■ 34, 110.828,
308.586

■ 56, 62.513,
305.866

■ 32, 116.810,
308.427

■ 63, 48.883,
304.993

■ 31, 117.682,
308.395


■ 70, 35.534,
304.181

■ 77, 22.575,
303.447

■ 84, 10.047,
302.793

■ 90, 2.046, 122.257

■ 97, 13.714,
121.736

 99, 15.623,
108.997

Harmonies

Complementary

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



44, 89.401, 307.602



83, 76.111, 119.029

Rectangle

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



44, 89.401, 307.602



44, 89.401, 357.602



44, 89.401, 127.602



44, 89.401, 177.602

Sweetspot

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



44, 89.401, 307.603



85, 27.524, 303.578



69, 35.902, 243.077



43, 18.870, 303.782



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, 89.401, 307.603



42, 116.665, 308.459



53, 88.621, 321.343



43, 6.915, 302.866



24, 98.030, 308.544



3, 32.375, 303.713

Inverse Universe

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



56, 72.792, 340.875



59, 88.628, 342.903



80, 87.059, 134.755



44, 6.543, 335.473



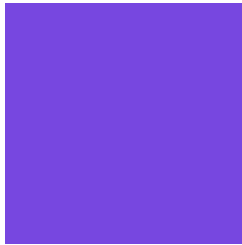
39, 69.326, 345.836



7, 29.126, 342.210

Previews

White Background



This preview shows how the CIELCh color 44, 89.401, 307.602 looks on a white background.

Color Contrast Check

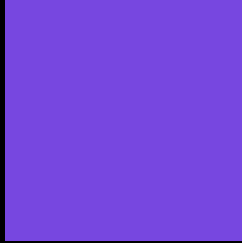
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.401, 307.602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

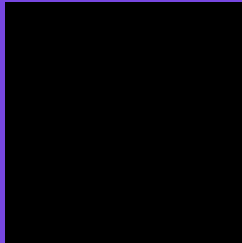
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 89.401, 307.602

Background



This preview shows how black text looks on a background with the CIELCh color 44, 89.401, 307.602.



This preview shows how white text looks on a background with the CIELCh color 44, 89.401, 307.602.

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, 89.401, 307.602

Protanopia

44, 67.081, 287.154

Deuteranopia

44, 47.875, 275.082



Tritanopia
44, 8.024, 241.346

Trichromacy



Original Color
44, 89.401, 307.602



Protanomaly
42, 75.888, 293.894



Deuteranomaly
42, 63.239, 289.741



Tritanomaly
43, 37.521, 299.262

Monochromacy



Original Color
44, 89.401, 307.602



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 34.462, 305.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 89.401, 307.602 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(119, 71, 224)` looks like.

```
.text, #text, p{  
    color:rgb(119, 71, 224)  
}
```

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(119, 71, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 71, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 89.401, 307.602 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(119, 71, 224) }
```

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

```
.border{ border-color:rgb(119, 71, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 71, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 71, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 71, 224);  
box-shadow:4px 4px 4px 4px rgb(119, 71,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 89.401, 307.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 71, 224) }
```

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

```
.background{ background-color: rgb(119, 71,  
224) }
```

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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