

Converting Colors

CIELCh(44, 89.718, 303.926)

Have a look what the booklet for
CIELCh(44, 89.718, 303.926)
contains.

CIELCh(44, 89.660, 303.968)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(44, 89.660, 303.968)

Conversions

Conversions Part 1

Format	Color
Hex	654DE6
RGB	101, 77, 230
RGB Percent	40%, 30%, 90%
CMY	0.6030, 0.6973, 0.0972
CMYK	0.56, 0.66, 0.00, 0.10
HSL	249°, 76%, 60%
HSV	249°, 66%, 90%
XYZ	22.3721, 13.8382, 76.5107
YIQ	101.6180, -34.8090, 52.6710

Conversions

Conversions Part 2

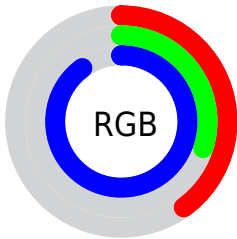
Format	Color
R_{YB}	101, 77, 230
Decimal	6639078
CIE _{Lab}	44.00, 50.10, -74.36
CIE _{LCh}	44, 89.660, 303.968
Yxy	13.8382, 0.1985, 0.1228
Android (android.graphics.Color)	4284829158 (0xFF654DE6)
YUV	101.6180, 63.2923, -0.5420
Hunter-Lab	37.1997, 42.2514, -95.9052

Details

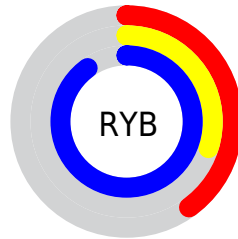
The CIELCh color **44, 89.660, 303.968** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **87, 74.041, 111.910**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 71.667, 304.699**, and **24, 89.547, 303.975** is the 20% darker color. If you saturate the color by 10%, you get **38, 103.006, 305.314**, and if you desaturate by 10%, it is **51, 75.400, 302.520**.

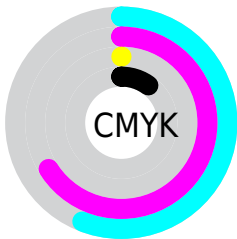
Distribution



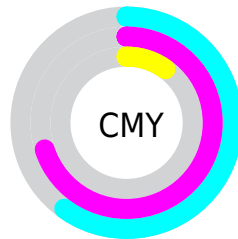
- Red (40%)
- Green (30%)
- Blue (90%)



- Red (40%)
- Yellow (30%)
- Blue (90%)



- Cyan (56%)
- Magenta (66%)
- Yellow (0%)
- Black (10%)



- Cyan (60%)
- Magenta (70%)
- Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 89.660, 303.968 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, 89.660, 303.968 by changing the saturation by 10% instead.

 44, 89.660,
303.968

 44, 89.660,
303.968

 100, 89.660,
303.968

 34, 89.660,
303.968

 64, 89.660,
303.968


 24, 89.660,
303.968

 74, 89.660,
303.968

 14, 89.660,
303.968

 84, 89.660,
303.968

 4, 89.660, 303.968

 94, 89.660,
303.968

 0, 89.660, 303.968

 44, 89.660,

 44, 89.660,

303.968

303.968

■ 38, 103.006,
305.314

■ 51, 75.400,
302.520

■ 33, 114.007,
306.327

■ 58, 61.058,
301.115

■ 30, 120.978,
306.766

■ 65, 47.029,
299.828

■ 30, 122.732,
306.858

■ 72, 33.468,
298.685

■ 79, 20.419,
297.690

■ 87, 7.874, 296.830

■ 94, 4.189, 116.090

■ 99, 12.545,
109.229

Harmonies

Complementary

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



44, 89.660, 303.968



87, 74.041, 111.910

Rectangle

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



44, 89.660, 303.968



44, 89.660, 353.968



44, 89.660, 123.968



44, 89.660, 173.968

Sweetspot

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



44, 89.660, 303.969



84, 27.125, 298.035



77, 35.696, 217.614



43, 18.610, 298.317



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, 89.660, 303.969



40, 116.421, 305.771



52, 88.373, 316.707



44, 6.927, 297.073



22, 101.320, 306.949



3, 34.002, 300.521

Inverse Universe

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



59, 80.890, 333.316



61, 97.380, 334.277



83, 83.500, 131.074



45, 7.451, 329.622



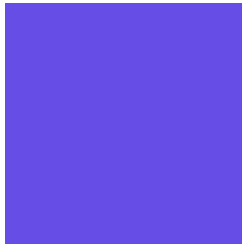
41, 78.231, 335.641



8, 33.445, 334.330

Previews

White Background



This preview shows how the CIELCh color 44, 89.660, 303.968 looks on a white background.

Color Contrast Check

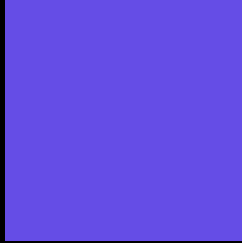
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.660, 303.968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

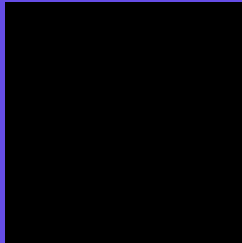
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 89.660, 303.968

Background



This preview shows how black text looks on a background with the CIELCh color 44, 89.660, 303.968.



This preview shows how white text looks on a background with the CIELCh color 44, 89.660, 303.968.

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, 89.660, 303.968

Protanopia

44, 66.530, 286.941

Deuteranopia

44, 47.357, 274.648



Tritanopia
44, 17.760, 215.479

Trichromacy



Original Color
44, 89.660, 303.968



Protanomaly
43, 75.159, 292.746



Deuteranomaly
43, 62.566, 288.240



Tritanomaly
43, 37.007, 284.394

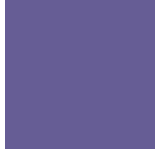
Monochromacy



Original Color
44, 89.660, 303.968



Achromatopsia
43, 0.006, 296.813



Achromatomaly
42, 34.008, 299.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 89.660, 303.968 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(101, 77, 230)` looks like.

```
.text, #text, p{  
    color:rgb(101, 77, 230)  
}
```

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(101, 77, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 77, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 89.660, 303.968 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(101, 77, 230) }
```

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

```
.border{ border-color:rgb(101, 77, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 77, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 77, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 77, 230);  
box-shadow:4px 4px 4px 4px rgb(101, 77,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 89.660, 303.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 77, 230) }
```

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

```
.background{ background-color: rgb(101, 77,  
230) }
```

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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