

Converting Colors

CIELCh(44, 75.351, 307.469)

Have a look what the booklet for
CIELCh(44, 75.351, 307.469)
contains.

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Color

CIELCh(44, 75.431, 307.492)

Conversions

Conversions Part 1

Format	Color
Hex	784ECD
RGB	120, 78, 205
RGB Percent	47%, 31%, 80%
CMY	0.5296, 0.6943, 0.1963
CMYK	0.41, 0.62, 0.00, 0.20
HSL	260°, 56%, 55%
HSV	260°, 62%, 80%
XYZ	21.4747, 13.8382, 59.2671
YIQ	105.0360, -15.7350, 48.4010

Conversions

Conversions Part 2

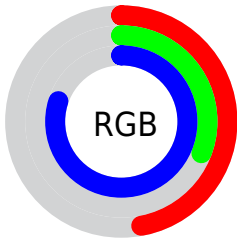
Format	Color
R_{YB}	120, 78, 205
Decimal	7884493
CIE _{Lab}	44.00, 45.91, -59.85
CIE _{LCh}	44, 75.431, 307.492
Yxy	13.8382, 0.2271, 0.1463
Android (android.graphics.Color)	4286074573 (0xFF784ECD)
YUV	105.0360, 49.2823, 13.1234
Hunter-Lab	37.1997, 37.9449, -68.4218

Details

The CIELCh color **44, 75.431, 307.492** is a dark color, and the websafe version is hex **9966FF**. The color can be described as dark muted purple. A complement of this color would be **77, 65.742, 119.854**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 71.384, 307.988**, and **24, 75.631, 307.472** is the 20% darker color. If you saturate the color by 10%, you get **39, 87.357, 308.233**, and if you desaturate by 10%, it is **50, 62.850, 306.658**.

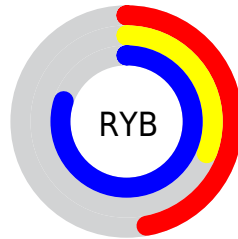
Distribution



Red (47%)

Green (31%)

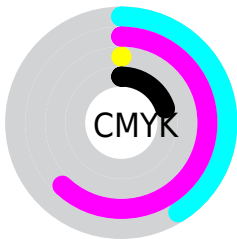
Blue (80%)



Red (47%)

Yellow (31%)

Blue (80%)

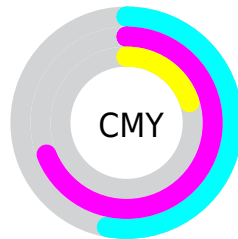


Cyan (41%)

Magenta (62%)

Yellow (0%)

Black (20%)



Cyan (53%)


Magenta (69%)

Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 75.431, 307.492 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, 75.431, 307.492 by changing the saturation by 10% instead.

 44, 75.431,
307.492


 44, 75.431,
307.492


 100, 75.431,
307.492

 34, 75.431,
307.492

 64, 75.431,
307.492


 24, 75.431,
307.492

 74, 75.431,
307.492

 14, 75.431,
307.492

 84, 75.431,
307.492

 4, 75.431, 307.492

 94, 75.431,
307.492

 0, 75.431, 307.492

 44, 75.431,

 44, 75.431,

307.492

307.492

■ 39, 87.357,
308.233

■ 50, 62.850,
306.658

■ 34, 97.753,
308.745

■ 56, 50.154,
305.817

■ 31, 105.483,
308.858

■ 62, 37.637,
305.019

■ 28, 109.639,
308.680


■ 68, 25.439,
304.287

■ 75, 13.623,
303.630

■ 81, 2.204, 303.028

■ 87, 8.821, 122.556

■ 94, 19.468,
122.112

 98, 25.672,
117.923

Harmonies

Complementary

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



44, 75.431, 307.492



77, 65.742, 119.854

Rectangle

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



44, 75.431, 307.492



44, 75.431, 357.492



44, 75.431, 127.492



44, 75.431, 177.492

Sweetspot

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



44, 75.431, 307.493



86, 26.157, 304.101



64, 31.610, 243.675



43, 18.091, 304.299



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, 75.431, 307.493



47, 106.891, 308.417



52, 76.445, 321.764



40, 6.408, 303.473



22, 93.461, 308.826



2, 23.956, 301.023

Inverse Universe

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



53, 62.595, 340.960



61, 83.745, 342.672



74, 75.233, 135.503



40, 5.977, 336.178



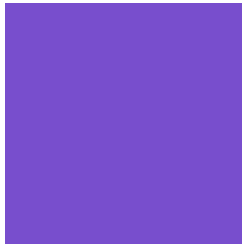
36, 65.721, 347.006



4, 22.197, 342.648

Previews

White Background



This preview shows how the CIELCh color 44, 75.431, 307.492 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, 75.431, 307.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

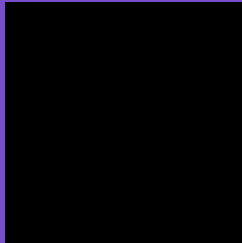
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 75.431, 307.492

Background



This preview shows how black text looks on a background with the CIELCh color 44, 75.431, 307.492.



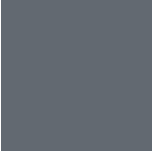
This preview shows how white text looks on a background with the CIELCh color 44, 75.431, 307.492.

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, 5.468, 260.695

Trichromacy



Original Color
44, 75.431, 307.492

Protanomaly
43, 70.605, 292.177

Deuteranomaly
42, 58.510, 287.522

Tritanomaly
43, 31.020, 301.408

Monochromacy



Original Color
44, 75.431, 307.492

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 28.294, 304.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 75.431, 307.492 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(120, 78, 205)` looks like.

```
.text, #text, p{  
    color:rgb(120, 78, 205)  
}
```

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(120, 78, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 78, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 75.431, 307.492 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(120, 78, 205) }
```

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

```
.border{ border-color:rgb(120, 78, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 78, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 78, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 78, 205);  
box-shadow:4px 4px 4px 4px rgb(120, 78,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 75.431, 307.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 78, 205) }
```

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

```
.background{ background-color: rgb(120, 78,  
205) }
```

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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