

Converting Colors

CIELCh(44, 87.870, 304.346)

Have a look what the booklet for
CIELCh(44, 87.870, 304.346)
contains.

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Color

CIELCh(44, 87.997, 304.379)

Conversions

Conversions Part 1

Format	Color
Hex	684DE3
RGB	104, 77, 227
RGB Percent	41%, 30%, 89%
CMY	0.5914, 0.6975, 0.1091
CMYK	0.54, 0.66, 0.00, 0.11
HSL	251°, 73%, 60%
HSV	251°, 66%, 89%
XYZ	22.2838, 13.8382, 74.2944
YIQ	102.1730, -32.0580, 52.3740

Conversions

Conversions Part 2

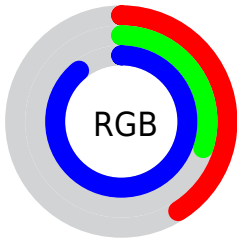
Format	Color
R_{YB}	104, 77, 227
Decimal	6835683
CIE _{Lab}	44.00, 49.69, -72.63
CIE _{LCh}	44, 87.997, 304.379
Yxy	13.8382, 0.2018, 0.1253
Android (android.graphics.Color)	4285025763 (0xFF684DE3)
YUV	102.1730, 61.5397, 1.6023
Hunter-Lab	37.1997, 41.8274, -92.3726

Details

The CIELCh color **44, 87.997, 304.379** 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 **86, 73.113, 113.023**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 71.716, 305.380**, and **24, 87.735, 304.307** is the 20% darker color. If you saturate the color by 10%, you get **38, 101.167, 305.629**, and if you desaturate by 10%, it is **51, 73.951, 303.030**.

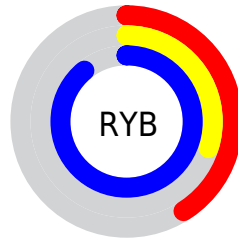
Distribution



Red (41%)

Green (30%)

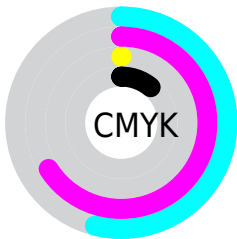
Blue (89%)



Red (41%)

Yellow (30%)

Blue (89%)

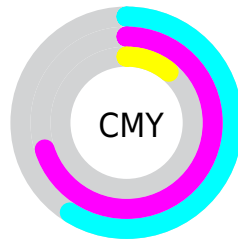


Cyan (54%)

Magenta (66%)

Yellow (0%)

Black (11%)



Cyan (59%)


Magenta (70%)

Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 87.997, 304.379 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, 87.997, 304.379 by changing the saturation by 10% instead.


 44, 87.997,
304.379


 44, 87.997,
304.379


 100, 87.997,
304.379


 34, 87.997,
304.379

 64, 87.997,
304.379


 24, 87.997,
304.379

 74, 87.997,
304.379

 14, 87.997,
304.379

 84, 87.997,
304.379

 4, 87.997, 304.379

 94, 87.997,
304.379

 0, 87.997, 304.379

 44, 87.997,

 44, 87.997,

304.379

304.379

■ 38, 101.167,
305.629

■ 51, 73.951,
303.030

■ 33, 112.116,
306.562

■ 57, 59.817,
301.715

■ 30, 119.218,
306.945

■ 64, 45.977,
300.505

■ 29, 121.211,
307.019

■ 72, 32.583,
299.428

■ 79, 19.684,
298.485

■ 86, 7.276, 297.669

■ 93, 4.661, 116.968

■ 99, 14.104,
111.818

99, 14.081,
109.113

Harmonies

Complementary

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



44, 87.997, 304.379



86, 73.113, 113.023

Rectangle

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



44, 87.997, 304.379



44, 87.997, 354.379



44, 87.997, 124.379



44, 87.997, 174.379

Sweetspot

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



44, 87.997, 304.380



84, 27.168, 298.854



76, 34.938, 220.212



43, 18.638, 299.123



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, 87.997, 304.380



41, 114.907, 306.000



52, 86.968, 317.203



44, 6.940, 297.935



22, 101.066, 307.115



3, 34.062, 301.064

Inverse Universe

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



58, 78.457, 334.244



61, 95.325, 335.277



82, 82.575, 131.553



45, 7.331, 330.402



41, 76.874, 336.953



8, 32.944, 335.380

Previews

White Background



This preview shows how the CIELCh color 44, 87.997, 304.379 looks on a white background.

Color Contrast Check

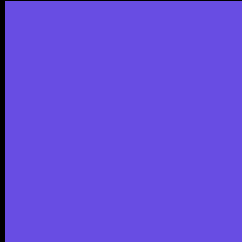
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.997, 304.379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

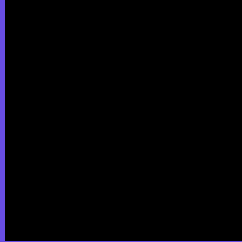
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 87.997, 304.379

Background



This preview shows how black text looks on a background with the CIELCh color 44, 87.997, 304.379.




This preview shows how white text looks on a background with the CIELCh color 44, 87.997, 304.379.

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, 15.686, 218.159

Trichromacy



Original Color
44, 87.997, 304.379

Protanomaly
43, 74.591, 292.680

Deuteranomaly
43, 61.428, 287.924

Tritanomaly
43, 36.242, 287.085

Monochromacy



Original Color
44, 87.997, 304.379

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 33.446, 300.554

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 87.997, 304.379 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(104, 77, 227)` looks like.

```
.text, #text, p{  
    color:rgb(104, 77, 227)  
}
```

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(104, 77, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 77, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 87.997, 304.379 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(104, 77, 227) }
```

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

```
.border{ border-color:rgb(104, 77, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 77, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 77, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 77, 227);  
box-shadow:4px 4px 4px 4px rgb(104, 77,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 87.997, 304.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 77, 227) }
```

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

```
.background{ background-color: rgb(104, 77,  
227) }
```

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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