

Converting Colors

CIELCh(44, 86.826, 304.727)

Have a look what the booklet for
CIELCh(44, 86.826, 304.727)
contains.

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Color

CIELCh(44, 86.890, 304.677)

Conversions

Conversions Part 1

Format	Color
Hex	6A4DE1
RGB	106, 77, 225
RGB Percent	42%, 30%, 88%
CMY	0.5838, 0.6976, 0.1172
CMYK	0.53, 0.66, 0.00, 0.12
HSL	252°, 71%, 59%
HSV	252°, 66%, 88%
XYZ	22.2290, 13.8382, 72.8234
YIQ	102.5430, -30.2240, 52.1760

Conversions

Conversions Part 2

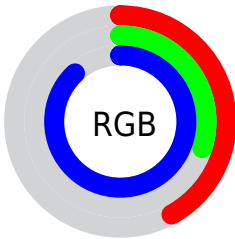
Format	Color
R_{YB}	106, 77, 225
Decimal	6966753
CIE _{Lab}	44.00, 49.44, -71.46
CIE _{LCh}	44, 86.890, 304.677
Yxy	13.8382, 0.2041, 0.1271
Android (android.graphics.Color)	4285156833 (0xFF6A4DE1)
YUV	102.5430, 60.3713, 3.0318
Hunter-Lab	37.1997, 41.5647, -90.0282

Details

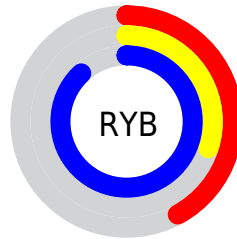
The CIELCh color **44, 86.890, 304.677** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **85, 72.505, 113.779**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 71.734, 305.608**, and **24, 86.497, 304.589** is the 20% darker color. If you saturate the color by 10%, you get **38, 99.936, 305.862**, and if you desaturate by 10%, it is **50, 72.990, 303.392**.

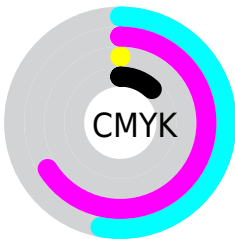
Distribution



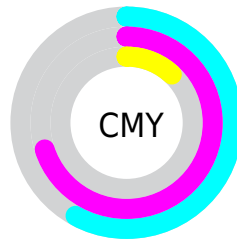
- Red (42%)
- Green (30%)
- Blue (88%)



- Red (42%)
- Yellow (30%)
- Blue (88%)



- Cyan (53%)
- Magenta (66%)
- Yellow (0%)
- Black (12%)



- Cyan (58%)
- Magenta (70%)
- Yellow (12%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 86.890, 304.677 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, 86.890, 304.677 by changing the saturation by 10% instead.

 44, 86.890,
304.677


 44, 86.890,
304.677


 100, 86.890,
304.677

 34, 86.890,
304.677

 64, 86.890,
304.677

 24, 86.890,
304.677

 74, 86.890,
304.677

 14, 86.890,
304.677


 84, 86.890,
304.677

 4, 86.890, 304.677

 94, 86.890,
304.677

 0, 86.890, 304.677

 44, 86.890,

 44, 86.890,

304.677

304.677

■ 38, 99.936,
305.862

■ 50, 72.990,
303.392

■ 34, 110.836,
306.741

■ 57, 58.996,
302.137

■ 30, 118.012,
307.085

■ 64, 45.281,
300.978

■ 29, 120.163,
307.143


■ 71, 31.999,
299.943

■ 78, 19.199,
299.035

■ 86, 6.882, 298.247

■ 93, 4.973, 117.571

■ 99, 15.204,
114.645

 99, 15.114,
109.035

Harmonies

Complementary

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



44, 86.890, 304.677



85, 72.505, 113.779

Rectangle

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



44, 86.890, 304.677



44, 86.890, 354.677



44, 86.890, 124.677



44, 86.890, 174.677

Sweetspot

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



44, 86.890, 304.678



84, 27.201, 299.418



74, 34.413, 222.867



43, 18.660, 299.678



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, 86.890, 304.678



41, 114.724, 306.245



52, 86.044, 317.705



43, 6.822, 298.525



22, 99.794, 307.250



3, 32.001, 300.555

Inverse Universe

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



57, 76.837, 334.903



61, 94.297, 336.042



81, 82.079, 132.018



44, 7.116, 330.953



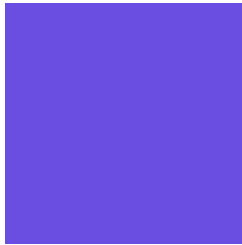
40, 75.172, 337.881



7, 31.460, 336.013

Previews

White Background



This preview shows how the CIELCh color 44, 86.890, 304.677 looks on a white background.

Color Contrast Check

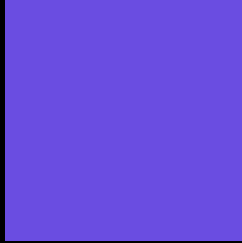
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.890, 304.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

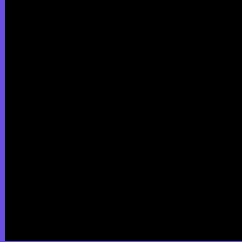
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 86.890, 304.677

Background



This preview shows how black text looks on a background with the CIELCh color 44, 86.890, 304.677.



This preview shows how white text looks on a background with the CIELCh color 44, 86.890, 304.677.

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, 86.890, 304.677

Protanopia

44, 67.081, 287.154

Deuteranopia

44, 47.875, 275.082



Tritanopia
44, 14.589, 219.862

Trichromacy



Original Color
44, 86.890, 304.677

Protanomaly
43, 74.577, 292.751

Deuteranomaly
42, 62.040, 288.467

Tritanomaly
43, 36.157, 288.405

Monochromacy



Original Color
44, 86.890, 304.677

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 32.214, 300.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 86.890, 304.677 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(106, 77, 225)` looks like.

```
.text, #text, p{  
    color:rgb(106, 77, 225)  
}
```

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(106, 77, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 77, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 86.890, 304.677 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(106, 77, 225) }
```

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

```
.border{ border-color:rgb(106, 77, 225) }
```

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

Here you see how a box with a 4 pixel rgb(106, 77, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 77, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 77, 225);  
box-shadow:4px 4px 4px 4px rgb(106, 77,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 86.890, 304.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 77, 225) }
```

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

```
.background{ background-color: rgb(106, 77,  
225) }
```

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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