

Converting Colors

CIELCh(44, 83.387, 295.872)

Have a look what the booklet for
CIELCh(44, 83.387, 295.872)
contains.

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Color

CIELCh(44, 83.364, 295.905)

Conversions

Conversions Part 1

Format	Color
Hex	345AE7
RGB	52, 90, 231
RGB Percent	20%, 35%, 91%
CMY	0.7953, 0.6467, 0.0937
CMYK	0.77, 0.61, 0.00, 0.09
HSL	227°, 79%, 56%
HSV	227°, 77%, 91%
XYZ	19.5288, 13.8382, 77.3244
YIQ	94.7120, -67.9090, 35.7950

Conversions

Conversions Part 2

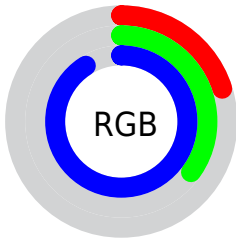
Format	Color
R_{YB}	52, 83, 231
Decimal	3431143
CIE _{Lab}	44.00, 36.42, -74.99
CIE _{LCh}	44, 83.364, 295.905
Yxy	13.8382, 0.1764, 0.1250
Android (android.graphics.Color)	4281621223 (0xFF345AE7)
YUV	94.7120, 67.1900, -37.4584
Hunter-Lab	37.1997, 28.6076, -97.2019

Details

The CIELCh color **44, 83.364, 295.905** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **79, 70.632, 90.025**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 64.326, 293.275**, and **27, 81.542, 300.112** is the 20% darker color. If you saturate the color by 10%, you get **39, 95.138, 298.969**, and if you desaturate by 10%, it is **50, 71.479, 292.883**.

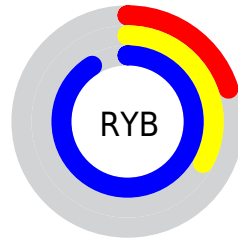
Distribution



Red (20%)

Green (35%)

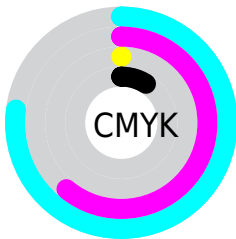
Blue (91%)



Red (20%)

Yellow (33%)

Blue (91%)

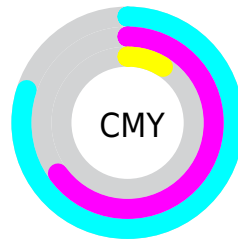


Cyan (77%)

Magenta (61%)

Yellow (0%)

Black (9%)



Cyan (80%)

Magenta (65%)

Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 83.364, 295.905 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, 83.364, 295.905 by changing the saturation by 10% instead.


 44, 83.364,
295.905


 44, 83.364,
295.905


 100, 83.364,
295.905

 34, 83.364,
295.905

 64, 83.364,
295.905


 24, 83.364,
295.905

 74, 83.364,
295.905

 14, 83.364,
295.905

 84, 83.364,
295.905

 4, 83.364, 295.905

 94, 83.364,
295.905

 0, 83.364, 295.905

 44, 83.364,

 44, 83.364,

295.905

■ 39, 95.138,
298.969

■ 35, 106.029,
301.796

■ 34, 108.591,
302.424

295.905

■ 50, 71.479,
292.883

■ 56, 59.854,
290.078

■ 62, 48.607,
287.579


■ 68, 37.744,
285.405

■ 74, 27.238,
283.539

■ 81, 17.053,
281.946

■ 87, 7.164, 280.595

■ 93, 2.451, 99.324

 99, 11.615,
107.579

Harmonies

Complementary

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



44, 83.364, 295.905



79, 70.632, 90.025

Rectangle

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



44, 83.364, 295.905



44, 83.364, 345.905



44, 83.364, 115.905



44, 83.364, 165.905

Sweetspot

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



44, 83.364, 295.906



84, 24.594, 282.824



83, 52.821, 172.991



42, 17.114, 283.426



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, 83.364, 295.906



40, 109.811, 300.740



40, 103.231, 307.619



45, 5.471, 280.851



26, 88.198, 301.976



4, 28.782, 292.122

Inverse Universe

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



52, 72.089, 18.037



54, 88.980, 25.937



86, 84.679, 117.728



45, 4.999, 3.185



37, 70.479, 28.404



7, 26.658, 12.904

Previews

White Background



This preview shows how the CIE LCh color 44, 83.364, 295.905 looks on a white background.

Color Contrast Check

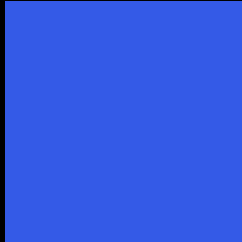
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.364, 295.905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

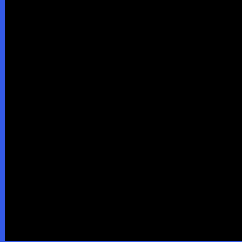
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 83.364, 295.905

Background



This preview shows how black text looks on a background with the CIELCh color 44, 83.364, 295.905.



This preview shows how white text looks on a background with the CIELCh color 44, 83.364, 295.905.

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, 83.364, 295.905

Protanopia

44, 67.152, 287.361

Deuteranopia

44, 46.840, 274.205



Tritanopia
44, 27.004, 205.648

Trichromacy



Original Color
44, 83.364, 295.905

Protanomaly
44, 72.797, 290.408

Deuteranomaly
43, 59.772, 284.827

Tritanomaly
43, 37.069, 265.041

Monochromacy



Original Color
44, 83.364, 295.905

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 31.142, 286.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 83.364, 295.905 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(52, 90, 231)` looks like.

```
.text, #text, p{  
    color:rgb(52, 90, 231)  
}
```

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(52, 90, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 90, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 83.364, 295.905 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(52, 90, 231) }
```

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

```
.border{ border-color:rgb(52, 90, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 90, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 90, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 90, 231);  
box-shadow:4px 4px 4px 4px rgb(52, 90,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 83.364, 295.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 90, 231) }
```

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

```
.background{ background-color: rgb(52, 90,  
231) }
```

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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