

Converting Colors

CIELCh(44, 86.405, 320.413)

Have a look what the booklet for
CIELCh(44, 86.405, 320.413)
contains.

CIELCh(44, 86.417, 320.521)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(44, 86.417, 320.521)

Conversions

Conversions Part 1

Format	Color
Hex	A32FC5
RGB	163, 47, 197
RGB Percent	64%, 18%, 77%
CMY	0.3610, 0.8159, 0.2276
CMYK	0.17, 0.76, 0.00, 0.23
HSL	286°, 62%, 48%
HSV	286°, 76%, 77%
XYZ	26.1800, 13.8382, 54.0839
YIQ	98.7840, 20.9860, 71.2420

Conversions

Conversions Part 2

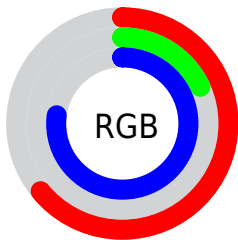
Format	Color
RYB	163, 47, 197
Decimal	10694597
CIELab	44.00, 66.70, -54.94
CIElCh	44, 86.417, 320.521
Yxy	13.8382, 0.2782, 0.1471
Android (android.graphics.Color)	4288884677 (0xFFA32FC5)
YUV	98.7840, 48.4205, 56.3174
Hunter-Lab	37.1997, 60.5232, -60.1607

Details

The CIELCh color **44, 86.417, 320.521** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **71, 84.532, 133.922**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 86.406, 320.520**, and **27, 76.742, 319.049** is the 20% darker color. If you saturate the color by 10%, you get **41, 92.642, 320.352**, and if you desaturate by 10%, it is **47, 77.920, 320.479**.

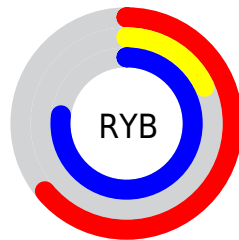
Distribution



Red (64%)

Green (18%)

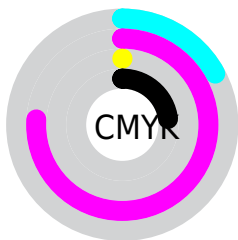
Blue (77%)



Red (64%)

Yellow (18%)

Blue (77%)

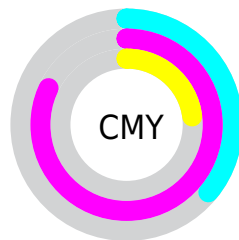


Cyan (17%)

Magenta (76%)

Yellow (0%)

Black (23%)



Cyan (36%)


Magenta (82%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 86.417, 320.521 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, 86.417, 320.521 by changing the saturation by 10% instead.


 44, 86.417,
320.521


 44, 86.417,
320.521


 100, 86.417,
320.521


 34, 86.417,
320.521

 64, 86.417,
320.521


 24, 86.417,
320.521

 74, 86.417,
320.521

 14, 86.417,
320.521

 84, 86.417,
320.521

 4, 86.417, 320.521

 94, 86.417,
320.521

 0, 86.417, 320.521

 44, 86.417,

 44, 86.417,

320.521

41, 92.642,
320.352

40, 96.311,
319.936

39, 97.366,
319.747

320.521

47, 77.920,
320.479

51, 67.701,
320.275

56, 56.332,
319.958

60, 44.303,
319.570

66, 31.986,
319.143

71, 19.637,
318.699

76, 7.424, 318.246

82, 4.552, 137.894

■ 87, 16.233,
137.462

Harmonies

Complementary

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



44, 86.417, 320.521



71, 84.532, 133.922

Rectangle

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



44, 86.417, 320.521



44, 86.417, 10.521



44, 86.417, 140.521



44, 86.417, 190.521

Sweetspot

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



44, 86.416, 320.521



85, 34.629, 319.019



39, 69.713, 294.211



43, 24.011, 319.180



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, 86.416, 320.521



52, 115.660, 320.122



47, 72.274, 339.230



39, 6.904, 318.394



32, 84.651, 319.852



3, 24.194, 317.202

Inverse Universe

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



45, 62.351, 16.009



54, 87.052, 23.641



70, 75.261, 144.387



39, 4.467, 2.058



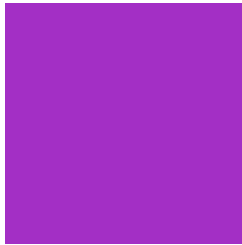
34, 65.135, 26.809



3, 16.259, 7.829

Previews

White Background



This preview shows how the CIELCh color 44, 86.417, 320.521 looks on a white background.

Color Contrast Check

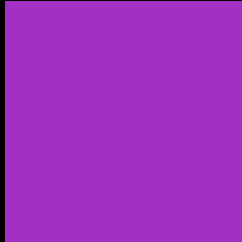
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.417, 320.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

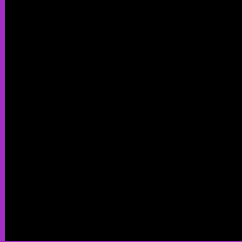
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 86.417, 320.521

Background



This preview shows how black text looks on a background with the CIELCh color 44, 86.417, 320.521.



This preview shows how white text looks on a background with the CIELCh color 44, 86.417, 320.521.

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, 86.417, 320.521

Protanopia

44, 67.561, 287.158

Deuteranopia

44, 49.654, 278.089



Tritanopia
44, 27.450, 14.973

Trichromacy



Original Color
44, 86.417, 320.521

Protanomaly
40, 76.305, 296.974

Deuteranomaly
41, 63.832, 296.580

Tritanomaly
43, 45.142, 337.042

Monochromacy



Original Color
44, 86.417, 320.521

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 36.587, 319.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 86.417, 320.521 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(163, 47, 197)` looks like.

```
.text, #text, p{  
    color:rgb(163, 47, 197)  
}
```

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(163, 47, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 47, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 86.417, 320.521 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(163, 47, 197) }
```

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

```
.border{ border-color:rgb(163, 47, 197) }
```

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

Here you see how a box with a 4 pixel rgb(163, 47, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 47, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 47, 197);  
box-shadow:4px 4px 4px 4px rgb(163, 47,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 86.417, 320.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 47, 197) }
```

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

```
.background{ background-color: rgb(163, 47,  
197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor