

Converting Colors

CIELCh(46, 94.584, 310.897)

Have a look what the booklet for
CIELCh(46, 94.584, 310.897)
contains.

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Color

CIELCh(46, 94.370, 310.859)

Conversions

Conversions Part 1

Format	Color
Hex	8B43E7
RGB	139, 67, 231
RGB Percent	55%, 26%, 91%
CMY	0.4549, 0.7373, 0.0942
CMYK	0.40, 0.71, 0.00, 0.09
HSL	266°, 77%, 58%
HSV	266°, 71%, 91%
XYZ	27.0726, 15.2687, 77.1098
YIQ	107.2240, -9.7320, 66.2680

Conversions

Conversions Part 2

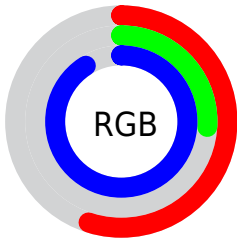
Format	Color
R_{YB}	139, 67, 231
Decimal	9126887
CIE _{Lab}	46.00, 61.74, -71.37
CIE _{LCh}	46, 94.370, 310.859
Yxy	15.2687, 0.2266, 0.1278
Android (android.graphics.Color)	4287316967 (0xFF8B43E7)
YUV	107.2240, 61.0216, 27.8676
Hunter-Lab	39.0751, 55.2894, -89.6486

Details

The CIELCh color **46, 94.370, 310.859** 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 **84, 82.949, 124.098**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 76.938, 314.041**, and **26, 94.361, 310.904** is the 20% darker color. If you saturate the color by 10%, you get **41, 105.149, 311.077**, and if you desaturate by 10%, it is **52, 81.781, 310.403**.

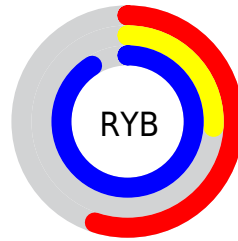
Distribution



Red (55%)

Green (26%)

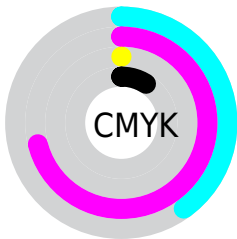
Blue (91%)



Red (55%)

Yellow (26%)

Blue (91%)

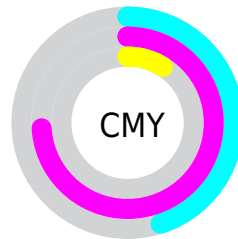


Cyan (40%)

Magenta (71%)

Yellow (0%)

Black (9%)



Cyan (45%)


Magenta (74%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 94.370, 310.859 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 46, 94.370, 310.859 by changing the saturation by 10% instead.


 46, 94.370,
310.859


 46, 94.370,
310.859


 100, 94.370,
310.859

 36, 94.370,
310.859

 66, 94.370,
310.859


 26, 94.370,
310.859

 76, 94.370,
310.859

 16, 94.370,
310.859

 86, 94.370,
310.859

 6, 94.370, 310.859

 96, 94.370,
310.859

 0, 94.370, 310.859

 46, 94.370,

 46, 94.370,

310.859

310.859

■ 41, 105.149,
311.077

■ 52, 81.781,
310.403

■ 38, 113.063,
310.919

■ 58, 68.276,
309.822

■ 35, 117.501,
310.444

■ 64, 54.460,
309.195


■ 71, 40.697,
308.573

■ 77, 27.185,
307.983

■ 84, 14.027,
307.438

■ 91, 1.265, 306.871

■ 98, 11.090,
126.533

 99, 12.155,
109.259

Harmonies

Complementary

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



46, 94.370, 310.859



84, 82.949, 124.098

Rectangle

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



46, 94.370, 310.859



46, 94.370, 0.859



46, 94.370, 130.859



46, 94.370, 180.859

Sweetspot

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



46, 94.370, 310.860



85, 29.461, 307.989



63, 43.978, 264.090



43, 20.021, 308.149



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 94.370, 310.860



44, 117.566, 311.060



57, 93.816, 325.640



45, 7.188, 307.357



26, 96.701, 310.628



4, 35.253, 308.879

Inverse Universe

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



56, 71.233, 348.842



57, 83.897, 352.234



81, 94.759, 137.022



45, 6.101, 341.213



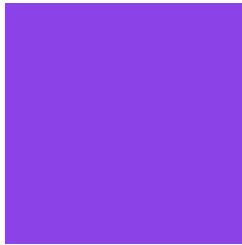
39, 65.875, 356.244



7, 28.310, 350.468

Previews

White Background



This preview shows how the CIELCh color 46, 94.370, 310.859 looks on a white background.

Color Contrast Check

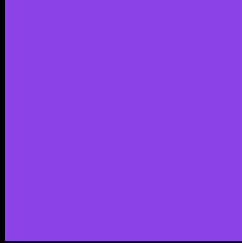
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 94.370, 310.859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

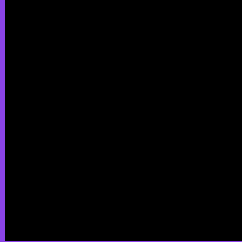
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 94.370, 310.859

Background



This preview shows how black text looks on a background with the CIELCh color 46, 94.370, 310.859.



This preview shows how white text looks on a background with the CIELCh color 46, 94.370, 310.859.

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


46, 94.370, 310.859

Protanopia

46, 69.473, 287.172

Deuteranopia

46, 49.858, 275.144



Tritanopia
46, 6.286, 321.731

Trichromacy



Original Color
46, 94.370, 310.859



Protanomaly
44, 79.458, 294.954



Deuteranomaly
44, 66.258, 290.954



Tritanomaly
45, 40.301, 310.363

Monochromacy



Original Color
46, 94.370, 310.859



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 37.237, 309.381

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 94.370, 310.859 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(139, 67, 231)` looks like.

```
.text, #text, p{  
    color:rgb(139, 67, 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(139, 67, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 67, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 94.370, 310.859 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(139, 67, 231) }
```

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

```
.border{ border-color:rgb(139, 67, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 67, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 67, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 67, 231);  
box-shadow:4px 4px 4px 4px rgb(139, 67,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 94.370, 310.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 67, 231) }
```

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

```
.background{ background-color: rgb(139, 67,  
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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