

Converting Colors

CIELCh(46, 95.029, 297.771)

Have a look what the booklet for
CIELCh(46, 95.029, 297.771)
contains.

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Color

CIELCh(46, 95.154, 297.804)

Conversions

Conversions Part 1

Format	Color
Hex	375AFD
RGB	55, 90, 253
RGB Percent	22%, 35%, 99%
CMY	0.7860, 0.6460, 0.0066
CMYK	0.78, 0.64, 0.00, 0.01
HSL	229°, 98%, 60%
HSV	229°, 78%, 99%
XYZ	23.0106, 15.2687, 94.9320
YIQ	98.1170, -73.1830, 43.2730

Conversions

Conversions Part 2

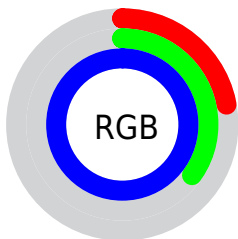
Format	Color
R _Y B	55, 85, 253
Decimal	3627773
CIE Lab	46.00, 44.38, -84.17
CIE LCh	46, 95.154, 297.804
Yxy	15.2687, 0.1727, 0.1146
Android (android.graphics.Color)	4281817853 (0xFF375AFD)
YUV	98.1170, 76.3573, -37.8136
Hunter-Lab	39.0751, 36.7339, -116.6909

Details


The CIELCh color **46, 95.154, 297.804** 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 **88, 78.149, 92.213**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 64.242, 294.788**, and **29, 92.646, 301.466** is the 20% darker color. If you saturate the color by 10%, you get **41, 108.019, 300.686**, and if you desaturate by 10%, it is **52, 81.823, 294.872**.

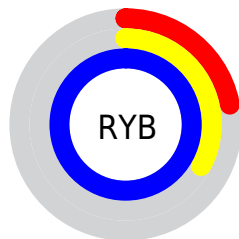
Distribution



 Red (22%)

 Green (35%)

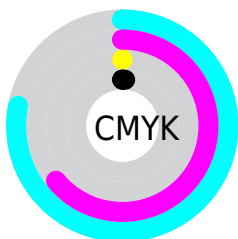
 Blue (99%)




 Red (22%)

 Yellow (33%)

 Blue (99%)

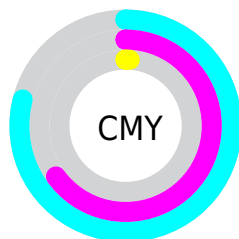



 Cyan (78%)


 Magenta (64%)

 Yellow (0%)

 Black (1%)



 Cyan (79%)


 Magenta (65%)


 Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 95.154, 297.804 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, 95.154, 297.804 by changing the saturation by 10% instead.


 46, 95.154,
297.804


 46, 95.154,
297.804


 100, 95.154,
297.804


 36, 95.154,
297.804

 66, 95.154,
297.804


 26, 95.154,
297.804

 76, 95.154,
297.804

 16, 95.154,
297.804

 86, 95.154,
297.804

 6, 95.154, 297.804

 96, 95.154,
297.804

 0, 95.154, 297.804

 46, 95.154,

 46, 95.154,

297.804

■ 41, 108.019,
300.686

■ 37, 119.270,
303.205

■ 36, 120.786,
303.527

297.804

■ 52, 81.823,
294.872

■ 59, 68.654,
292.103

■ 65, 55.890,
289.612

■ 72, 43.583,
287.437

■ 79, 31.712,
285.568

■ 86, 20.241,
283.973

■ 93, 9.137, 282.620

100, 0.839,
110.023

Harmonies

Complementary

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



46, 95.154, 297.804



88, 78.149, 92.213

Rectangle

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



46, 95.154, 297.804



46, 95.154, 347.804



46, 95.154, 117.804



46, 95.154, 167.804

Sweetspot

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



46, 95.155, 297.805



83, 26.696, 284.827



90, 55.247, 175.841



42, 18.446, 285.417



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, 95.155, 297.805



39, 115.154, 302.160



44, 111.999, 308.361



49, 6.185, 282.751



27, 96.477, 303.133



6, 38.383, 298.179

Inverse Universe

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



56, 79.319, 21.223



54, 91.363, 28.966



92, 92.557, 119.256



50, 5.392, 5.643



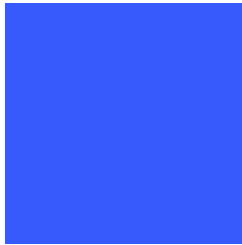
40, 75.967, 31.086



10, 32.105, 19.722

Previews

White Background



This preview shows how the CIE LCh color 46, 95.154, 297.804 looks on a white background.

Color Contrast Check

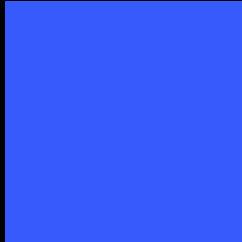
Large Text (above 18pt) WCAG AA ✓ Pass

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, 95.154, 297.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

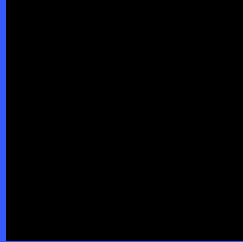
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 95.154, 297.804

Background



This preview shows how black text looks on a background with the CIELCh color 46, 95.154, 297.804.



This preview shows how white text looks on a background with the CIELCh color 46, 95.154, 297.804.

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, 95.136, 297.866

Protanopia

46, 68.996, 287.168

Deuteranopia

46, 47.820, 273.716



Tritanopia
46, 27.858, 205.294

Trichromacy



Original Color
46, 95.136, 297.866

Protanomaly
45, 78.589, 291.576

Deuteranomaly
45, 65.093, 286.547

Tritanomaly
44, 40.975, 269.050

Monochromacy



Original Color
46, 95.136, 297.866

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 35.722, 288.822

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 95.154, 297.804 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(55, 90, 253)` looks like.

```
.text, #text, p{  
    color:rgb(55, 90, 253)  
}
```

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(55, 90, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 90, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 95.154, 297.804 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(55, 90, 253) }
```

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

```
.border{ border-color:rgb(55, 90, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 90, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 90, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 90, 253);  
box-shadow:4px 4px 4px 4px rgb(55, 90,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 95.154, 297.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 90, 253) }
```

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

```
.background{ background-color: rgb(55, 90,  
253) }
```

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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