

Converting Colors

CIELCh(46, 96.068, 298.766)

Have a look what the booklet for
CIELCh(46, 96.068, 298.766)
contains.

CIELCh(46, 95.572, 298.681)	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(46, 95.572, 298.681)

Conversions

Conversions Part 1

Format	Color
Hex	4059FD
RGB	64, 89, 253
RGB Percent	25%, 35%, 99%
CMY	0.7503, 0.6517, 0.0087
CMYK	0.75, 0.65, 0.00, 0.01
HSL	232°, 98%, 62%
HSV	232°, 75%, 99%
XYZ	23.3409, 15.2687, 94.4521
YIQ	100.2210, -67.5440, 45.7040

Conversions

Conversions Part 2

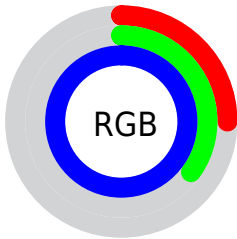
Format	Color
R _Y B	64, 86, 253
Decimal	4217341
CIE Lab	46.00, 45.87, -83.85
CIE LCh	46, 95.572, 298.681
Yxy	15.2687, 0.1754, 0.1147
Android (android.graphics.Color)	4282407421 (0xFF4059FD)
YUV	100.2210, 75.3200, -31.7658
Hunter-Lab	39.0751, 38.2425, -115.9627

Details

The CIELCh color `46, 95.572, 298.681` is a dark color, and the websafe version is hex `3366FF`. The color can be described as middle washed blue. A complement of this color would be `90, 77.927, 95.840`, and the grayscale version is `42, 0.006, 296.813`.

A 20% lighter version of the original color is `63, 64.807, 296.221`, and `29, 93.214, 301.655` is the 20% darker color. If you saturate the color by 10%, you get `40, 109.033, 301.367`, and if you desaturate by 10%, it is `52, 81.560, 295.953`.

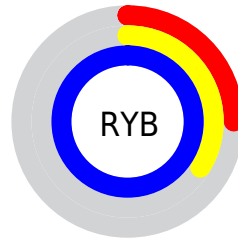
Distribution



Red (25%)

Green (35%)

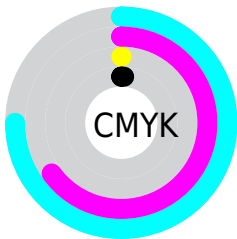
Blue (99%)



Red (25%)

Yellow (34%)

Blue (99%)

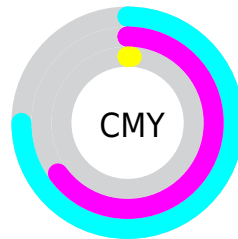


Cyan (75%)

Magenta (65%)

Yellow (0%)

Black (1%)



Cyan (75%)


Magenta (65%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 95.572, 298.681 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, 95.572, 298.681 by changing the saturation by 10% instead.


 46, 95.572,
298.681


 46, 95.572,
298.681


 100, 95.572,
298.681


 36, 95.572,
298.681

 66, 95.572,
298.681


 26, 95.572,
298.681

 76, 95.572,
298.681

 16, 95.572,
298.681

 86, 95.572,
298.681

 6, 95.572, 298.681

 96, 95.572,
298.681

 0, 95.572, 298.681

 46, 95.572,

 46, 95.572,

298.681

■ 40, 109.033,
301.367

■ 36, 120.606,
303.703

■ 34, 125.341,
304.647

298.681

■ 52, 81.560,
295.953

■ 59, 67.709,
293.388

■ 66, 54.297,
291.094

■ 74, 41.389,
289.098

■ 81, 28.967,
287.388

■ 88, 16.996,
285.932

■ 96, 5.438, 284.707

100, 1.120,
110.025

Harmonies

Complementary

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



46, 95.572, 298.681



90, 77.927, 95.840

Rectangle

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



46, 95.572, 298.681



46, 95.572, 348.681



46, 95.572, 118.681



46, 95.572, 168.681

Sweetspot

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



46, 95.573, 298.682



84, 25.737, 286.955



90, 51.290, 181.313



42, 17.376, 287.373



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, 95.573, 298.682



38, 116.196, 302.652



47, 106.831, 309.263



49, 6.512, 285.253



25, 100.527, 304.334



5, 39.896, 299.267

Inverse Universe

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



57, 77.410, 23.242



54, 91.153, 30.246



92, 90.738, 121.297



50, 5.324, 9.265



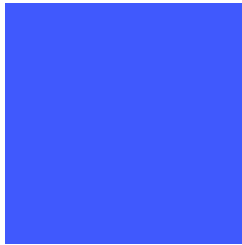
40, 78.347, 34.131



10, 32.384, 21.736

Previews

White Background



This preview shows how the CIE LCh color 46, 95.572, 298.681 looks on a white background.

Color Contrast Check

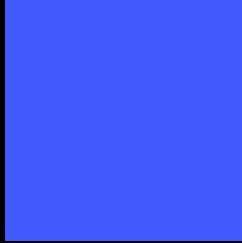
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 46, 95.572, 298.681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

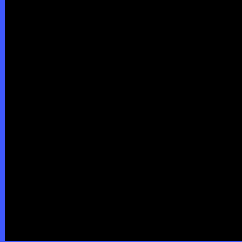
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 95.572, 298.681

Background



This preview shows how black text looks on a background with the CIELCh color 46, 95.572, 298.681.




This preview shows how white text looks on a background with the CIELCh color 46, 95.572, 298.681.

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





Tritanopia
46, 27.787, 206.603

Trichromacy



Original Color
46, 95.572, 298.681

Protanomaly
45, 79.198, 292.004

Deuteranomaly
45, 65.063, 286.699

Tritanomaly
44, 40.894, 269.351

Monochromacy



Original Color
46, 95.572, 298.681

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 36.166, 290.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 95.572, 298.681 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(64, 89, 253)` looks like.

```
.text, #text, p{  
    color:rgb(64, 89, 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(64, 89, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 89, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 95.572, 298.681 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(64, 89, 253) }
```

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

```
.border{ border-color:rgb(64, 89, 253) }
```

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

Here you see how a box with a 4 pixel rgb(64, 89, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 89, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 89, 253);  
box-shadow:4px 4px 4px 4px rgb(64, 89,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 95.572, 298.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 89, 253) }
```

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

```
.background{ background-color: rgb(64, 89,  
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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