

Converting Colors

CIELCh(44, 100.126, 297.912)

Have a look what the booklet for
CIELCh(44, 100.126, 297.912)
contains.

CIELCh(44, 100.307, 297.970)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(44, 100.307, 297.970)

Conversions

Conversions Part 1

Format	Color
Hex	1A54FF
RGB	26, 84, 255
RGB Percent	10%, 33%, 100%
CMY	0.8977, 0.6696, 0.0000
CMYK	0.90, 0.67, 0.00, 0.00
HSL	225°, 100%, 55%
HSV	225°, 90%, 100%
XYZ	21.7154, 13.8382, 96.3910
YIQ	86.1520, -89.4590, 40.8850

Conversions

Conversions Part 2

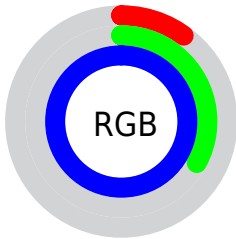
Format	Color
R _Y B	26, 72, 255
Decimal	1725695
CIE Lab	44.00, 47.04, -88.59
CIE LCh	44, 100.307, 297.970
Yxy	13.8382, 0.1646, 0.1049
Android (android.graphics.Color)	4279915775 (0xFF1A54FF)
YUV	86.1520, 83.2421, -52.7533
Hunter-Lab	37.1997, 39.1001, -127.5910

Details

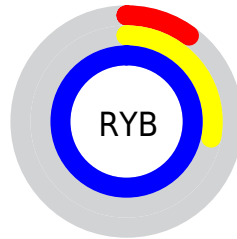
The CIELCh color **44, 100.307, 297.970** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **82, 81.266, 84.614**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 67.998, 294.431**, and **28, 96.422, 302.455** is the 20% darker color. If you saturate the color by 10%, you get **40, 111.561, 300.973**, and if you desaturate by 10%, it is **49, 88.029, 294.670**.

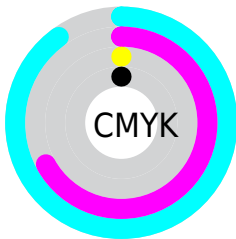
Distribution



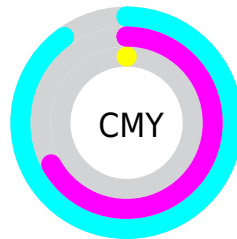
- Red (10%)
- Green (33%)
- Blue (100%)



- Red (10%)
- Yellow (28%)
- Blue (100%)



- Cyan (90%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)





- Cyan (90%)
- Magenta (67%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 100.307, 297.970 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, 100.307, 297.970 by changing the saturation by 10% instead.


 44, 100.307,
297.970


 44, 100.307,
297.970


 100, 100.307,
297.970


 34, 100.307,
297.970


 64, 100.307,
297.970


 24, 100.307,
297.970


 74, 100.307,
297.970


 14, 100.307,
297.970


 84, 100.307,
297.970

 4, 100.307,
297.970

 94, 100.307,
297.970

 0, 100.307,
297.970

 44, 100.307,

 44, 100.307,

297.970

■ 40, 111.561,
300.973

■ 40, 111.810,
301.034

297.970

■ 49, 88.029,
294.670

■ 55, 75.870,
291.432

■ 61, 63.994,
288.422

■ 67, 52.490,
285.736

■ 74, 41.352,
283.396

■ 80, 30.542,
281.386

■ 87, 20.027,
279.671

■ 94, 9.780, 278.214

100, 0.012,
296.813

Harmonies

Complementary

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



44, 100.307, 297.970



82, 81.266, 84.614

Rectangle

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



44, 100.307, 297.970



44, 100.307, 347.970



44, 100.307, 117.970



44, 100.307, 167.970

Sweetspot

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



44, 100.149, 297.950



82, 27.601, 280.883



90, 65.066, 166.312



41, 18.681, 281.506



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, 100.149, 297.950



40, 111.810, 301.034



37, 125.424, 307.425



50, 5.690, 278.178



29, 88.582, 300.514



7, 35.479, 295.723

Inverse Universe

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



55, 85.219, 20.687



54, 90.651, 26.363



93, 97.515, 115.883



50, 5.546, 0.077



40, 72.452, 25.283



10, 31.678, 15.746

Previews

White Background



This preview shows how the CIE LCh color 44, 100.307, 297.970 looks on a white background.

Color Contrast Check

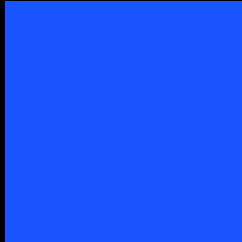
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.307, 297.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

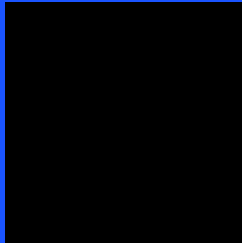
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 100.307, 297.970

Background



This preview shows how black text looks on a background with the CIELCh color 44, 100.307, 297.970.



This preview shows how white text looks on a background with the CIELCh color 44, 100.307, 297.970.

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, 100.297, 297.997

Protanopia

44, 66.048, 286.935

Deuteranopia

44, 45.812, 273.289



Tritanopia
43, 26.832, 205.723

Trichromacy



Original Color
44, 100.297, 297.997

Protanomaly
44, 78.541, 292.024

Deuteranomaly
43, 65.511, 287.204

Tritanomaly
42, 42.629, 271.719

Monochromacy



Original Color
44, 100.297, 297.997

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 38.354, 286.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 100.307, 297.970 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(26, 84, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 84, 255)  
}
```

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(26, 84, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 84, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 100.307, 297.970 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(26, 84, 255) }
```

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

```
.border{ border-color:rgb(26, 84, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 84, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 84, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 84, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 84,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 100.307, 297.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 84, 255) }
```

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

```
.background{ background-color: rgb(26, 84,  
255) }
```

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