

Converting Colors

CIELCh(44, 98.568, 297.832)

Have a look what the booklet for
CIELCh(44, 98.568, 297.832)
contains.

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Color

CIELCh(44, 98.580, 297.798)

Conversions

Conversions Part 1

Format	Color
Hex	1F55FD
RGB	31, 85, 253
RGB Percent	12%, 33%, 99%
CMY	0.8804, 0.6672, 0.0085
CMYK	0.88, 0.66, 0.00, 0.01
HSL	225°, 98%, 56%
HSV	225°, 88%, 99%
XYZ	21.4878, 13.8382, 94.3177
YIQ	88.0060, -86.1120, 40.8000

Conversions

Conversions Part 2

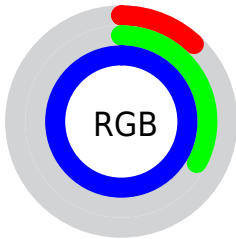
Format	Color
R_{YB}	31, 74, 253
Decimal	2053629
CIE _{Lab}	44.00, 45.97, -87.20
CIE _{LCh}	44, 98.580, 297.798
Yxy	13.8382, 0.1657, 0.1067
Android (android.graphics.Color)	4280243709 (0xFF1F55FD)
YUV	88.0060, 81.3420, -49.9943
Hunter-Lab	37.1997, 38.0081, -124.2865

Details

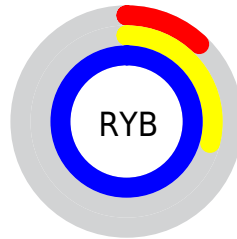
The CIELCh color **44, 98.580, 297.798** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **83, 80.327, 85.761**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 67.393, 294.113**, and **28, 94.877, 302.196** is the 20% darker color. If you saturate the color by 10%, you get **40, 110.142, 300.840**, and if you desaturate by 10%, it is **49, 86.362, 294.559**.

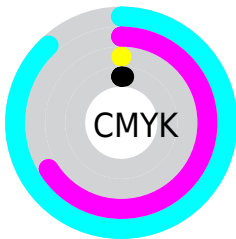
Distribution



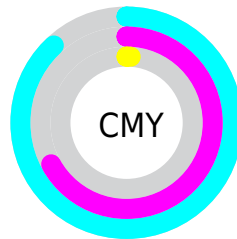
- Red (12%)
- Green (33%)
- Blue (99%)



- Red (12%)
- Yellow (29%)
- Blue (99%)



- Cyan (88%)
- Magenta (66%)
- Yellow (0%)
- Black (1%)



- Cyan (88%)
- Magenta (67%)
- Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 98.580, 297.798 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, 98.580, 297.798 by changing the saturation by 10% instead.

 44, 98.580,
297.798

 44, 98.580,
297.798

 100, 98.580,
297.798

 34, 98.580,
297.798

 64, 98.580,
297.798

 24, 98.580,
297.798

 74, 98.580,
297.798

 14, 98.580,
297.798

 84, 98.580,
297.798

 4, 98.580, 297.798

 94, 98.580,
297.798

 0, 98.580, 297.798

 44, 98.580,

 44, 98.580,

297.798

297.798

■ 40, 110.142,
300.840

■ 49, 86.362,
294.559

■ 39, 112.375,
301.394

■ 55, 74.147,
291.389

■ 61, 62.235,
288.461

■ 68, 50.705,
285.859

■ 74, 39.546,
283.600

■ 81, 28.723,
281.661

■ 87, 18.201,
280.007

■ 94, 7.955, 278.605

100, 1.093,
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.



44, 98.580, 297.798



83, 80.327, 85.761

Rectangle

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



44, 98.580, 297.798



44, 98.580, 347.798



44, 98.580, 117.798



44, 98.580, 167.798

Sweetspot

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



44, 98.581, 297.799



83, 26.853, 281.322



89, 62.762, 168.107



42, 18.287, 281.941



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, 98.581, 297.799



39, 113.156, 301.407



38, 122.745, 307.600



50, 5.751, 278.810



29, 89.676, 300.901



7, 35.890, 296.104

Inverse Universe

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



55, 83.908, 20.511



54, 91.197, 27.157



93, 96.471, 116.594



50, 5.523, 0.775



40, 72.865, 26.084



10, 31.730, 16.318

Previews

White Background



This preview shows how the CIE LCh color 44, 98.580, 297.798 looks on a white background.

Color Contrast Check

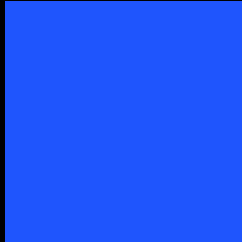
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 98.580, 297.798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

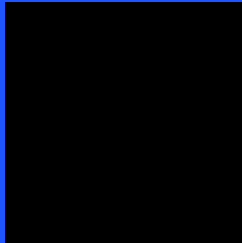
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 98.580, 297.798

Background



This preview shows how black text looks on a background with the CIELCh color 44, 98.580, 297.798.



This preview shows how white text looks on a background with the CIELCh color 44, 98.580, 297.798.

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



Trichromacy



Original Color
44, 98.580, 297.798

Protanomaly
44, 77.981, 291.926

Tritanomaly
42, 42.090, 271.316

Monochromacy



Original Color
44, 98.580, 297.798

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 37.599, 286.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 98.580, 297.798 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(31, 85, 253)` looks like.

```
.text, #text, p{  
    color:rgb(31, 85, 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(31, 85, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 85, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 98.580, 297.798 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(31, 85, 253) }
```

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

```
.border{ border-color:rgb(31, 85, 253) }
```

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

Here you see how a box with a 4 pixel rgb(31, 85, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 85, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 85, 253);  
box-shadow:4px 4px 4px 4px rgb(31, 85,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 98.580, 297.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 85, 253) }
```

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

```
.background{ background-color: rgb(31, 85,  
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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