

Converting Colors

CIELCh(44, 99.884, 297.576)

Have a look what the booklet for
CIELCh(44, 99.884, 297.576)
contains.

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Color

CIELCh(44, 99.772, 297.557)

Conversions

Conversions Part 1

Format	Color
Hex	1055FF
RGB	16, 85, 255
RGB Percent	6%, 33%, 100%
CMY	0.9361, 0.6665, 0.0000
CMYK	0.94, 0.67, 0.00, 0.00
HSL	223°, 100%, 53%
HSV	223°, 94%, 100%
XYZ	21.5269, 13.8382, 96.1841
YIQ	83.7490, -95.6940, 38.2420

Conversions

Conversions Part 2

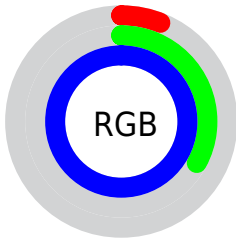
Format	Color
R _Y B	16, 70, 255
Decimal	1070591
CIE Lab	44.00, 46.16, -88.45
CIE LCh	44, 99.772, 297.557
Yxy	13.8382, 0.1636, 0.1052
Android (android.graphics.Color)	4279260671 (0xFF1055FF)
YUV	83.7490, 84.4267, -59.4159
Hunter-Lab	37.1997, 38.1953, -127.2612

Details

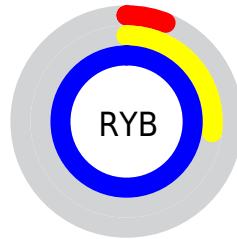
The CIELCh color **44, 99.772, 297.557** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **80, 81.586, 80.841**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 68.040, 293.855**, and **28, 95.887, 302.286** is the 20% darker color. If you saturate the color by 10%, you get **41, 106.848, 299.585**, and if you desaturate by 10%, it is **49, 88.204, 294.125**.

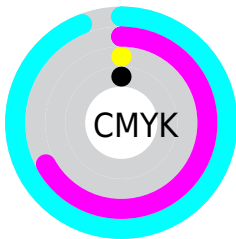
Distribution



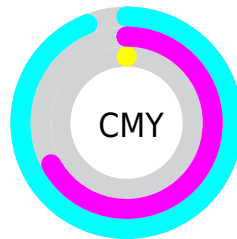
- Red (6%)
- Green (33%)
- Blue (100%)



- Red (6%)
- Yellow (27%)
- Blue (100%)



- Cyan (94%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)



- Cyan (94%)
- Magenta (67%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 99.772, 297.557 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, 99.772, 297.557 by changing the saturation by 10% instead.

 44, 99.772,
297.557


 44, 99.772,
297.557


 100, 99.772,
297.557


 34, 99.772,
297.557

 64, 99.772,
297.557


 24, 99.772,
297.557

 74, 99.772,
297.557

 14, 99.772,
297.557


 84, 99.772,
297.557

 4, 99.772, 297.557

 94, 99.772,
297.557

 0, 99.772, 297.557

 44, 99.772,

 44, 99.772,

297.557

297.557

■ 41, 106.848,
299.585

■ 49, 88.204,
294.125

■ 54, 76.615,
290.697

■ 60, 65.279,
287.477

■ 66, 54.281,
284.581

■ 72, 43.606,
282.046

■ 79, 33.217,
279.864

■ 85, 23.078,
277.998

■ 91, 13.165,
276.411

Harmonies

Complementary

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



44, 99.772, 297.557



80, 81.586, 80.841

Rectangle

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



44, 99.772, 297.557



44, 99.772, 347.557



44, 99.772, 117.557



44, 99.772, 167.557

Sweetspot

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



44, 99.748, 297.555



82, 27.499, 278.781



89, 69.067, 162.791



41, 19.076, 279.605



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, 99.748, 297.555



41, 106.848, 299.585



35, 128.740, 307.112



50, 5.477, 275.833



31, 84.577, 299.016



7, 33.938, 294.181

Inverse Universe

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



54, 85.960, 19.836



54, 88.865, 23.432



94, 98.068, 114.416



50, 5.633, 357.654



40, 71.109, 22.341



10, 31.512, 13.576

Previews

White Background



This preview shows how the CIELCh color 44, 99.772, 297.557 looks on a white background.

Color Contrast Check

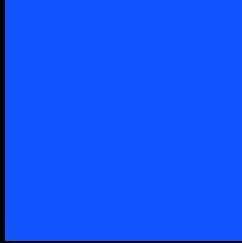
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.772, 297.557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

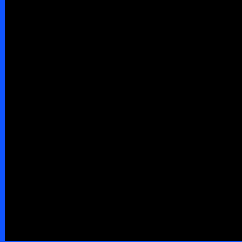
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 99.772, 297.557

Background



This preview shows how black text looks on a background with the CIELCh color 44, 99.772, 297.557.



This preview shows how white text looks on a background with the CIELCh color 44, 99.772, 297.557.

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, 99.772, 297.557

Protanomaly
44, 78.555, 291.958

Tritanomaly
42, 42.674, 271.542

Monochromacy



Original Color
44, 99.772, 297.557

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 38.550, 285.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 99.772, 297.557 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(16, 85, 255)` looks like.

```
.text, #text, p{  
    color:rgb(16, 85, 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(16, 85, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 85, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 99.772, 297.557 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(16, 85, 255) }
```

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

```
.border{ border-color:rgb(16, 85, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 85, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 85, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 85, 255);  
box-shadow:4px 4px 4px 4px rgb(16, 85,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 99.772, 297.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 85, 255) }
```

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

```
.background{ background-color: rgb(16, 85,  
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](#).

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