

Converting Colors

CIELCh(44, 76.507, 293.431)

Have a look what the booklet for
CIELCh(44, 76.507, 293.431)
contains.

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Color

CIELCh(44, 76.522, 293.413)

Conversions

Conversions Part 1

Format	Color
Hex	2D5EDF
RGB	45, 94, 223
RGB Percent	18%, 37%, 87%
CMY	0.8217, 0.6324, 0.1267
CMYK	0.80, 0.58, 0.00, 0.13
HSL	224°, 73%, 53%
HSV	224°, 80%, 87%
XYZ	18.3588, 13.8382, 71.2924
YIQ	94.0550, -70.6130, 29.7310

Conversions

Conversions Part 2

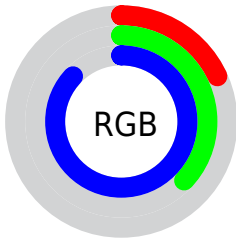
Format	Color
RYB	45, 83, 223
Decimal	2973407
CIELab	44.00, 30.41, -70.22
CIELCh	44, 76.522, 293.413
Yxy	13.8382, 0.1774, 0.1337
Android (android.graphics.Color)	4281163487 (0xFF2D5EDF)
YUV	94.0550, 63.5699, -43.0212
Hunter-Lab	37.1997, 22.9937, -87.5880

Details

The CIELCh color **44, 76.522, 293.413** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **74, 67.714, 84.961**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 62.051, 290.575**, and **27, 75.124, 298.419** is the 20% darker color. If you saturate the color by 10%, you get **39, 87.160, 296.770**, and if you desaturate by 10%, it is **49, 65.952, 290.145**.

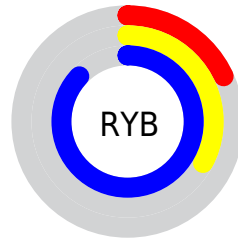
Distribution



Red (18%)

Green (37%)

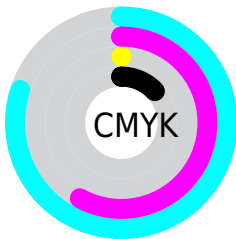
Blue (87%)



Red (18%)

Yellow (33%)

Blue (87%)

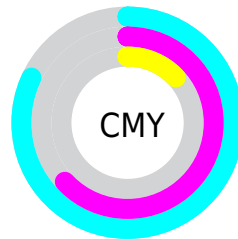


Cyan (80%)

Magenta (58%)

Yellow (0%)

Black (13%)



Cyan (82%)

Magenta (63%)

Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 76.522, 293.413 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, 76.522, 293.413 by changing the saturation by 10% instead.


 44, 76.522,
293.413


 44, 76.522,
293.413


 100, 76.522,
293.413

 34, 76.522,
293.413

 64, 76.522,
293.413

 24, 76.522,
293.413

 74, 76.522,
293.413

 14, 76.522,
293.413

 84, 76.522,
293.413

 4, 76.522, 293.413

 94, 76.522,
293.413

 0, 76.522, 293.413

 44, 76.522,

 44, 76.522,

293.413

■ 39, 87.160,
296.770

■ 35, 97.402,
299.922

■ 35, 97.817,
300.040

293.413

■ 49, 65.952,
290.145

■ 54, 55.654,
287.127

■ 60, 45.674,
284.443

■ 66, 35.990,
282.109

■ 72, 26.570,
280.104

■ 77, 17.384,
278.391

■ 83, 8.413, 276.935

■ 89, 0.356, 95.036

Harmonies

Complementary

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



44, 76.522, 293.413



74, 67.714, 84.961

Rectangle

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



44, 76.522, 293.413



44, 76.522, 343.413



44, 76.522, 113.413



44, 76.522, 163.413

Sweetspot

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



44, 76.522, 293.414



84, 23.911, 279.145



80, 55.934, 167.067



43, 16.496, 279.774



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, 76.522, 293.414



43, 103.613, 298.767



36, 103.320, 306.572



44, 5.018, 276.917



27, 80.771, 299.538



5, 25.656, 289.060

Inverse Universe

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



50, 70.397, 13.921



54, 87.228, 21.992



83, 82.456, 114.629



44, 5.033, 358.746



37, 67.237, 23.340



6, 25.318, 9.137

Previews

White Background



This preview shows how the CIELCh color 44, 76.522, 293.413 looks on a white background.

Color Contrast Check

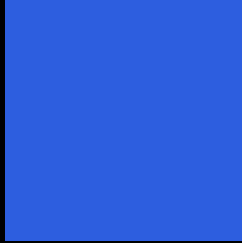
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.522, 293.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

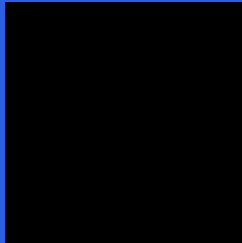
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 76.522, 293.413

Background



This preview shows how black text looks on a background with the CIELCh color 44, 76.522, 293.413.



This preview shows how white text looks on a background with the CIELCh color 44, 76.522, 293.413.

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, 76.537, 293.334

Protanopia

44, 67.152, 287.361

Deuteranopia

44, 47.357, 274.648



Tritanopia
44, 27.004, 205.648

Trichromacy



Original Color
44, 76.537, 293.334

Protanomaly
44, 70.518, 289.445

Deuteranomaly
44, 57.485, 283.175

Tritanomaly
43, 35.335, 261.661

Monochromacy



Original Color
44, 76.537, 293.334

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 28.898, 282.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 76.522, 293.413 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(45, 94, 223)` looks like.

```
.text, #text, p{  
    color:rgb(45, 94, 223)  
}
```

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(45, 94, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 94, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 76.522, 293.413 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(45, 94, 223) }
```

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

```
.border{ border-color:rgb(45, 94, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 94, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 94, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 94, 223);  
box-shadow:4px 4px 4px 4px rgb(45, 94,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 76.522, 293.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 94, 223) }
```

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

```
.background{ background-color: rgb(45, 94,  
223) }
```

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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