

Converting Colors

CIELCh(51, 82.736, 291.614)

Have a look what the booklet for
CIELCh(51, 82.736, 291.614)
contains.

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Color

CIELCh(51, 82.736, 291.614)

Conversions

Conversions Part 1

Format	Color
Hex	2970FF
RGB	41, 112, 255
RGB Percent	16%, 44%, 100%
CMY	0.8394, 0.5609, 0.0001
CMYK	0.84, 0.56, 0.00, 0.00
HSL	220°, 100%, 58%
HSV	220°, 84%, 100%
XYZ	24.7457, 19.2686, 96.9901
YIQ	107.0730, -88.2190, 29.4210

Conversions

Conversions Part 2

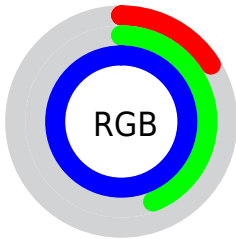
Format	Color
R _Y B	41, 94, 255
Decimal	2715903
CIE Lab	51.00, 30.48, -76.92
CIE LCh	51, 82.736, 291.614
Yxy	19.2686, 0.1755, 0.1367
Android (android.graphics.Color)	4280905983 (0xFF2970FF)
YUV	107.0730, 72.9280, -57.9460
Hunter-Lab	43.8960, 23.8083, -100.2766

Details

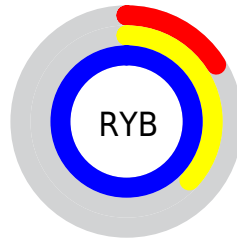
The CIELCh color **51, 82.736, 291.614** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **79, 76.485, 78.984**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 51.178, 283.328**, and **34, 80.705, 296.669** is the 20% darker color. If you saturate the color by 10%, you get **46, 93.587, 295.294**, and if you desaturate by 10%, it is **56, 72.006, 287.997**.

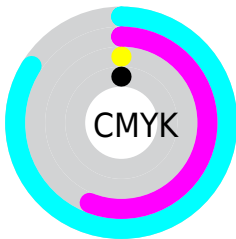
Distribution



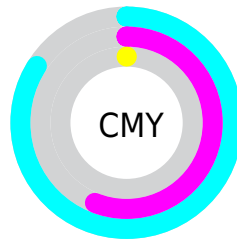
- Red (16%)
- Green (44%)
- Blue (100%)



- Red (16%)
- Yellow (37%)
- Blue (100%)



- Cyan (84%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (84%)
- Magenta (56%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 82.736, 291.614 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 51, 82.736, 291.614 by changing the saturation by 10% instead.


 51, 82.736,
291.614


 51, 82.736,
291.614


 100, 82.736,
291.614


 41, 82.736,
291.614


 71, 82.736,
291.614

 31, 82.736,
291.614

 81, 82.736,
291.614

 21, 82.736,
291.614

 91, 82.736,
291.614

 11, 82.736,
291.614

 1, 82.736, 291.614

 0, 82.736, 291.614

■ 51, 82.736,
291.614

■ 51, 82.736,
291.614

■ 46, 93.587,
295.294

■ 56, 72.006,
287.997

■ 44, 100.079,
297.400

■ 62, 61.550,
284.629

■ 67, 51.383,
281.617

■ 73, 41.465,
278.990

■ 79, 31.752,
276.733

■ 85, 22.214,
274.807

■ 92, 12.835,
273.170

■ 98, 3.607, 271.819

100, 0.008,
100.235

Harmonies

Complementary

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



51, 82.736, 291.614



79, 76.485, 78.984

Rectangle

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



51, 82.736, 291.614



51, 82.736, 341.614



51, 82.736, 111.614



51, 82.736, 161.614

Sweetspot

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



51, 82.736, 291.615



85, 23.219, 274.996



90, 67.819, 162.350



43, 15.886, 275.649



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 82.736, 291.615



44, 100.091, 297.400



38, 120.886, 306.274



50, 5.218, 272.528



33, 79.170, 296.771



8, 31.759, 291.647

Inverse Universe

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



56, 80.272, 11.047



54, 86.948, 19.410



95, 93.514, 112.215



50, 5.760, 354.638



40, 69.696, 18.331



10, 31.351, 10.417

Previews

White Background



This preview shows how the CIELCh color 51, 82.736, 291.614 looks on a white background.

Color Contrast Check

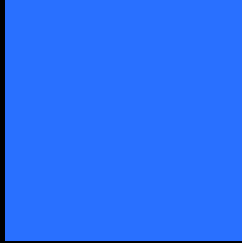
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 51, 82.736, 291.614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

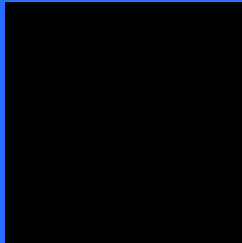
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

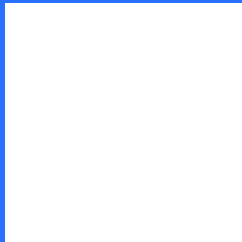
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 82.736, 291.614

Background



This preview shows how black text looks on a background with the CIELCh color 51, 82.736, 291.614.



This preview shows how white text looks on a background with the CIELCh color 51, 82.736, 291.614.

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
51, 30.143, 205.612

Trichromacy



Original Color
51, 82.736, 291.614

Protanomaly
51, 77.888, 288.745

Deuteranomaly
51, 64.232, 282.931

Tritanomaly
50, 38.556, 259.007

Monochromacy



Original Color
51, 82.736, 291.614

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 31.485, 279.647

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 82.736, 291.614 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(41, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(41, 112, 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(41, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 112, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 82.736, 291.614 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(41, 112, 255) }
```

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

```
.border{ border-color:rgb(41, 112, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 112, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(41, 112,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 82.736, 291.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 112, 255) }
```

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

```
.background{ background-color: rgb(41, 112,  
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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