

Converting Colors

CIELCh(51, 82.838, 293.084)

Have a look what the booklet for
CIELCh(51, 82.838, 293.084)
contains.

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Color

CIELCh(51, 83.205, 293.193)

Conversions

Conversions Part 1

Format	Color
Hex	3A6EFE
RGB	58, 110, 254
RGB Percent	23%, 43%, 100%
CMY	0.7712, 0.5679, 0.0031
CMYK	0.77, 0.57, 0.00, 0.00
HSL	224°, 99%, 61%
HSV	224°, 77%, 100%
XYZ	25.2826, 19.2686, 96.3296
YIQ	110.8680, -77.2160, 33.7600

Conversions

Conversions Part 2

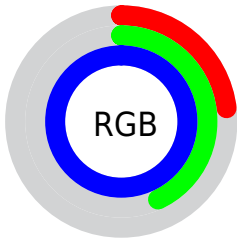
Format	Color
R_{YB}	58, 99, 254
Decimal	3829502
CIE _{Lab}	51.00, 32.77, -76.48
CIE _{LCh}	51, 83.205, 293.193
Yxy	19.2686, 0.1795, 0.1368
Android (android.graphics.Color)	4282019582 (0xFF3A6EFE)
YUV	110.8680, 70.5641, -46.3652
Hunter-Lab	43.8960, 25.9917, -99.3843

Details

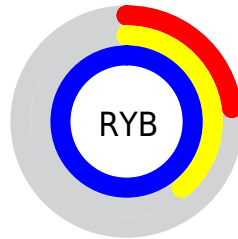
The CIELCh color **51, 83.205, 293.193** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **84, 73.778, 85.908**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 51.968, 286.729**, and **33, 81.453, 297.124** is the 20% darker color. If you saturate the color by 10%, you get **46, 95.192, 296.537**, and if you desaturate by 10%, it is **57, 71.336, 289.968**.

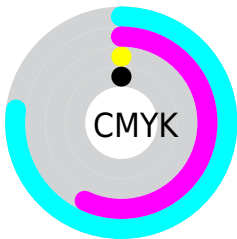
Distribution



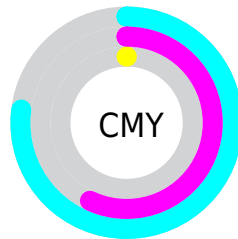
- Red (23%)
- Green (43%)
- Blue (100%)



- Red (23%)
- Yellow (39%)
- Blue (100%)



- Cyan (77%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (77%)
- Magenta (57%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 83.205, 293.193 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, 83.205, 293.193 by changing the saturation by 10% instead.


 51, 83.205,
293.193


 51, 83.205,
293.193


 100, 83.205,
293.193


 41, 83.205,
293.193


 71, 83.205,
293.193

 31, 83.205,
293.193

 81, 83.205,
293.193

 21, 83.205,
293.193

 91, 83.205,
293.193

 11, 83.205,
293.193

 1, 83.205, 293.193

 0, 83.205, 293.193

■ 51, 83.205,
293.193

■ 51, 83.205,
293.193

■ 46, 95.192,
296.537

■ 57, 71.336,
289.968

■ 41, 106.778,
299.750

■ 63, 59.792,
287.014

■ 40, 110.023,
300.601

■ 69, 48.613,
284.401

■ 76, 37.771,
282.138

■ 82, 27.229,
280.200

■ 89, 16.957,
278.546

■ 95, 6.933, 277.148

100, 0.389,
109.950

Harmonies

Complementary

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



51, 83.205, 293.193



84, 73.778, 85.908

Rectangle

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



51, 83.205, 293.193



51, 83.205, 343.193



51, 83.205, 113.193



51, 83.205, 163.193

Sweetspot

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



51, 83.205, 293.194



85, 23.101, 279.499



90, 59.836, 168.747



43, 16.059, 280.123



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, 83.205, 293.194



43, 101.284, 298.169



43, 111.542, 306.690



50, 5.623, 277.468



30, 87.359, 300.070



7, 35.014, 295.277

Inverse Universe

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



57, 76.524, 13.742



54, 86.042, 20.990



94, 90.053, 115.404



50, 5.572, 359.316



40, 72.013, 24.386



10, 31.624, 15.097

Previews

White Background



This preview shows how the CIE LCh color 51, 83.205, 293.193 looks on a white background.

Color Contrast Check

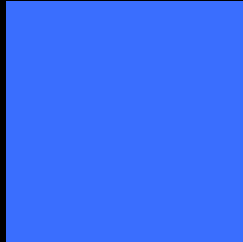
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.205, 293.193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

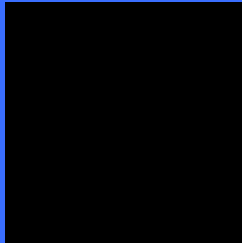
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 83.205, 293.193

Background



This preview shows how black text looks on a background with the CIELCh color 51, 83.205, 293.193.



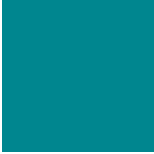
This preview shows how white text looks on a background with the CIELCh color 51, 83.205, 293.193.

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, 30.076, 206.799

Trichromacy



Original Color
51, 83.205, 293.193

Protanomaly
51, 78.462, 289.254

Deuteranomaly
50, 64.227, 283.382

Tritanomaly
50, 38.751, 260.460

Monochromacy



Original Color
51, 83.205, 293.193

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 31.038, 283.095

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 83.205, 293.193 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(58, 110, 254)` looks like.

```
.text, #text, p{  
    color:rgb(58, 110, 254)  
}
```

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(58, 110, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 110, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 83.205, 293.193 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(58, 110, 254) }
```

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

```
.border{ border-color:rgb(58, 110, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 110, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 110, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 110, 254);  
box-shadow:4px 4px 4px 4px rgb(58, 110,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 83.205, 293.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 110, 254) }
```

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

```
.background{ background-color: rgb(58, 110,  
254) }
```

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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