

Converting Colors

CIELCh(51, 56.275, 277.238)

Have a look what the booklet for
CIELCh(51, 56.275, 277.238)
contains.

CIELCh(51, 56.318, 277.313)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 56.318, 277.313)

Conversions

Conversions Part 1

Format	Color
Hex	037BD9
RGB	3, 123, 217
RGB Percent	1%, 48%, 85%
CMY	0.9867, 0.5167, 0.1480
CMYK	0.98, 0.43, 0.00, 0.15
HSL	206°, 97%, 43%
HSV	206°, 98%, 85%
XYZ	19.7122, 19.2686, 68.5060
YIQ	97.8360, -101.6940, 3.7940

Conversions

Conversions Part 2

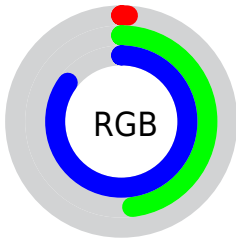
Format	Color
R_{YB}	3, 80, 217
Decimal	228313
CIE Lab	51.00, 7.17, -55.86
CIE LCh	51, 56.318, 277.313
Yxy	19.2686, 0.1834, 0.1793
Android (android.graphics.Color)	4278418393 (0xFF037BD9)
YUV	97.8360, 58.7479, -83.1712
Hunter-Lab	43.8960, 3.3402, -61.8033

Details

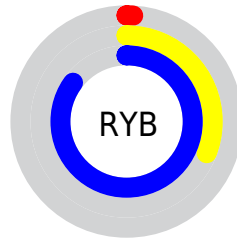
The CIELCh color **51, 56.318, 277.313** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **56, 77.028, 55.807**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 46.392, 270.900**, and **33, 54.195, 286.757** is the 20% darker color. If you saturate the color by 10%, you get **51, 57.150, 278.038**, and if you desaturate by 10%, it is **54, 51.144, 272.465**.

Distribution



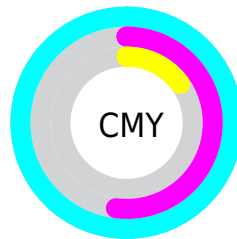
- Red (1%)
- Green (48%)
- Blue (85%)



- Red (1%)
- Yellow (31%)
- Blue (85%)



- Cyan (98%)
- Magenta (43%)
- Yellow (0%)
- Black (15%)





- Cyan (99%)
- Magenta (52%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 56.318, 277.313 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, 56.318, 277.313 by changing the saturation by 10% instead.


 51, 56.318,
277.313


 51, 56.318,
277.313


 100, 56.318,
277.313


 41, 56.318,
277.313


 71, 56.318,
277.313

 31, 56.318,
277.313

 81, 56.318,
277.313

 21, 56.318,
277.313

 91, 56.318,
277.313

 11, 56.318,
277.313

 1, 56.318, 277.313

 0, 56.318, 277.313

■ 51, 56.318,
277.313

■ 51, 56.318,
277.313

■ 51, 57.150,
278.038

■ 54, 51.144,
272.465

■ 57, 46.065,
267.893

■ 61, 40.926,
263.813

■ 64, 35.615,
260.289

■ 68, 30.068,
257.312

■ 72, 24.266,
254.830

■ 75, 18.221,
252.774

■ 79, 11.965,

251.078

■ 83, 5.538, 249.702

Harmonies

Complementary

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



51, 56.318, 277.313



56, 77.028, 55.807

Rectangle

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



51, 56.318, 277.313



51, 56.318, 327.313



51, 56.318, 97.313



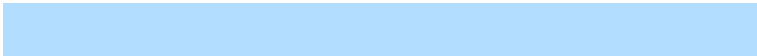
51, 56.318, 147.313

Sweetspot

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



51, 56.318, 277.315



86, 21.828, 253.121



76, 83.935, 146.107



44, 14.800, 253.977



0, 0.000, 0.000



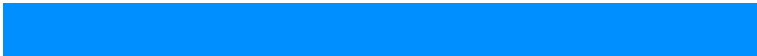
53, 0.007, 296.813

Same Dimension

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



51, 56.318, 277.315



59, 65.028, 278.513



28, 114.826, 305.455



44, 3.747, 249.823



41, 47.641, 277.230



8, 16.450, 266.803

Inverse Universe

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



47, 76.016, 356.287



55, 85.798, 357.186



80, 81.535, 98.460



43, 5.875, 341.238



37, 64.483, 356.213



6, 25.776, 350.183

Previews

White Background



This preview shows how the CIE LCh color 51, 56.318, 277.313 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, 56.318, 277.313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

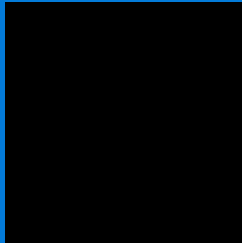
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 56.318, 277.313

Background



This preview shows how black text looks on a background with the CIELCh color 51, 56.318, 277.313.

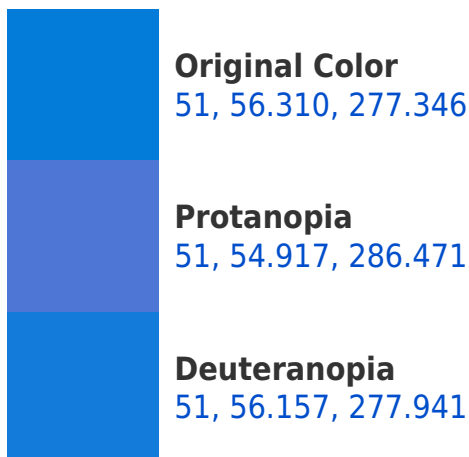


This preview shows how white text looks on a background with the CIELCh color 51, 56.318, 277.313.

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, 30.021, 207.990

Trichromacy



Original Color
51, 56.310, 277.346

Protanomaly
51, 55.601, 281.489

Deuteranomaly
51, 56.224, 277.677

Tritanomaly
51, 33.475, 243.879

Monochromacy



Original Color
51, 56.310, 277.346

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 23.691, 258.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 56.318, 277.313 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(3, 123, 217)` looks like.

```
.text, #text, p{  
    color:rgb(3, 123, 217)  
}
```

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(3, 123, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 123, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 56.318, 277.313 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(3, 123, 217) }
```

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

```
.border{ border-color:rgb(3, 123, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 123, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 123, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 123, 217);  
box-shadow:4px 4px 4px 4px rgb(3, 123,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 56.318, 277.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 123, 217) }
```

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

```
.background{ background-color: rgb(3, 123,  
217) }
```

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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