

Converting Colors

CIELCh(43, 48.769, 291.696)

Have a look what the booklet for
CIELCh(43, 48.769, 291.696)
contains.

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Color

CIELCh(43, 48.574, 291.581)

Conversions

Conversions Part 1

Format	Color
Hex	5060B1
RGB	80, 96, 177
RGB Percent	31%, 38%, 69%
CMY	0.6877, 0.6248, 0.3073
CMYK	0.55, 0.46, 0.00, 0.31
HSL	230°, 38%, 50%
HSV	230°, 55%, 69%
XYZ	15.3314, 13.1578, 43.1394
YIQ	100.4500, -35.5370, 21.7990

Conversions

Conversions Part 2

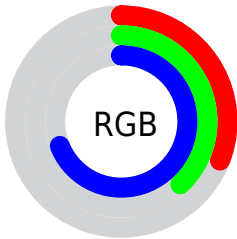
Format	Color
R_{YB}	80, 94, 177
Decimal	5267633
CIE _{Lab}	43.00, 17.87, -45.17
CIE _{LCh}	43, 48.574, 291.581
Yxy	13.1578, 0.2140, 0.1837
Android (android.graphics.Color)	4283457713 (0xFF5060B1)
YUV	100.4500, 37.7392, -17.9346
Hunter-Lab	36.2736, 11.9657, -45.1206

Details

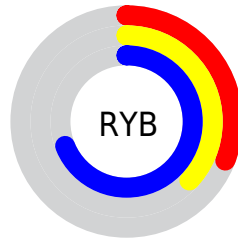
The CIELCh color `43, 48.574, 291.581` is a dark color, and the websafe version is hex `3366CC`. A complement of this color would be `66, 43.980, 96.154`, and the grayscale version is `42, 0.006, 296.813`.

A 20% lighter version of the original color is `63, 48.614, 291.765`, and `23, 48.973, 291.855` is the 20% darker color. If you saturate the color by 10%, you get `38, 58.456, 294.134`, and if you desaturate by 10%, it is `48, 39.020, 289.313`.

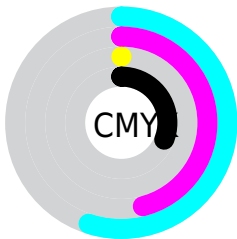
Distribution



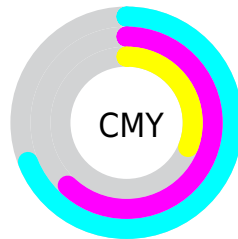
- Red (31%)
- Green (38%)
- Blue (69%)



- Red (31%)
- Yellow (37%)
- Blue (69%)



- Cyan (55%)
- Magenta (46%)
- Yellow (0%)
- Black (31%)



- Cyan (69%)
- Magenta (62%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 48.574, 291.581 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 43, 48.574, 291.581 by changing the saturation by 10% instead.

■ 43, 48.574,
291.581

■ 43, 48.574,
291.581

■ 100, 48.574,
291.581

■ 33, 48.574,
291.581

■ 63, 48.574,
291.581

■ 23, 48.574,
291.581

■ 73, 48.574,
291.581

■ 13, 48.574,
291.581

■ 83, 48.574,
291.581

■ 3, 48.574, 291.581

■ 93, 48.574,
291.581

■ 0, 48.574, 291.581

■ 43, 48.574,

■ 43, 48.574,

291.581

■ 38, 58.456,
294.134

■ 33, 68.554,
296.896

■ 29, 78.535,
299.706

■ 25, 87.703,
302.312

■ 24, 91.774,
303.402

291.581

■ 48, 39.020,
289.313

■ 54, 29.810,
287.341

■ 59, 20.921,
285.647

■ 64, 12.328,
284.199

■ 69, 4.007, 282.977

■ 75, 4.063, 101.847

■ 80, 11.896,
100.946

■ 85, 19.508,
100.150

Harmonies

Complementary

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



43, 48.574, 291.581



66, 43.980, 96.154

Rectangle

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



43, 48.574, 291.581



43, 48.574, 341.581



43, 48.574, 111.581



43, 48.574, 161.581

Sweetspot

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



43, 48.573, 291.582



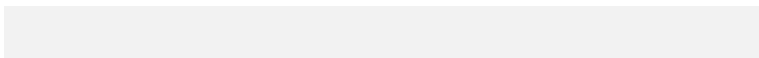
81, 16.394, 284.383



66, 32.492, 180.639



41, 11.091, 284.660



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



43, 48.573, 291.582



48, 73.808, 294.733



42, 58.986, 306.935



35, 4.681, 283.487



20, 81.811, 303.135



1, 11.659, 284.419

Inverse Universe

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



47, 42.292, 13.851



55, 62.959, 17.344



68, 52.515, 120.200



35, 3.999, 6.688



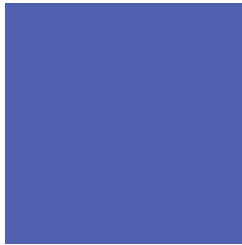
31, 64.418, 31.091



2, 9.335, 8.904

Previews

White Background



This preview shows how the CIELCh color 43, 48.574, 291.581 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 43, 48.574, 291.581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

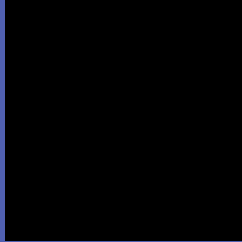
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 48.574, 291.581

Background



This preview shows how black text looks on a background with the CIELCh color 43, 48.574, 291.581.



This preview shows how white text looks on a background with the CIELCh color 43, 48.574, 291.581.

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


43, 48.574, 291.581

Protanopia

43, 48.848, 286.194

Deuteranopia

43, 44.932, 278.668



Tritanopia
43, 17.745, 215.539

Trichromacy



Original Color
43, 48.574, 291.581

Protanomaly
43, 48.727, 287.949

Deuteranomaly
43, 46.201, 282.934

Tritanomaly
43, 23.618, 262.815

Monochromacy



Original Color
43, 48.574, 291.581

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 18.167, 287.085

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 48.574, 291.581 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(80, 96, 177)` looks like.

```
.text, #text, p{  
    color:rgb(80, 96, 177)  
}
```

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(80, 96, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 96, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 48.574, 291.581 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(80, 96, 177) }
```

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

```
.border{ border-color:rgb(80, 96, 177) }
```

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

Here you see how a box with a 4 pixel rgb(80, 96, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 96, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 96, 177);  
box-shadow:4px 4px 4px 4px rgb(80, 96,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 48.574, 291.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 96, 177) }
```

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

```
.background{ background-color: rgb(80, 96,  
177) }
```

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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