

Converting Colors

CIELCh(43, 48.866, 282.697)

Have a look what the booklet for
CIELCh(43, 48.866, 282.697)
contains.

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Color

CIELCh(43, 49.214, 283.067)

Conversions

Conversions Part 1

Format	Color
Hex	3164B5
RGB	49, 100, 181
RGB Percent	19%, 39%, 71%
CMY	0.8066, 0.6071, 0.2893
CMYK	0.73, 0.45, 0.00, 0.29
HSL	217°, 57%, 45%
HSV	217°, 73%, 71%
XYZ	14.2205, 13.1578, 45.6268
YIQ	93.9850, -56.3970, 14.3790

Conversions

Conversions Part 2

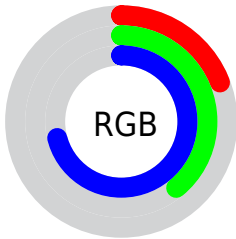
Format	Color
R_{YB}	49, 86, 181
Decimal	3237045
CIE _{Lab}	43.00, 11.13, -47.94
CIE _{LCh}	43, 49.214, 283.067
Yxy	13.1578, 0.1948, 0.1802
Android (android.graphics.Color)	4281427125 (0xFF3164B5)
YUV	93.9850, 42.8984, -39.4518
Hunter-Lab	36.2736, 6.4990, -49.1865

Details

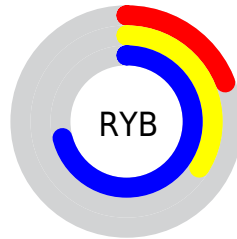
The CIELCh color `43, 49.214, 283.067` is a dark color, and the websafe version is hex `0066CC`. A complement of this color would be `58, 50.995, 76.582`, and the grayscale version is `40, 0.006, 296.813`.

A 20% lighter version of the original color is `63, 49.156, 283.210`, and `24, 48.148, 289.164` is the 20% darker color. If you saturate the color by 10%, you get `39, 56.431, 286.763`, and if you desaturate by 10%, it is `47, 42.173, 279.701`.

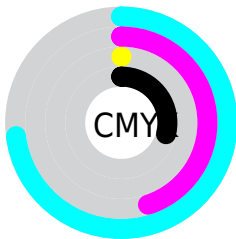
Distribution



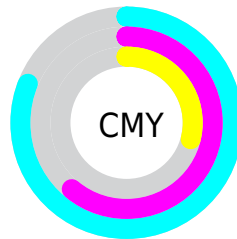
- Red (19%)
- Green (39%)
- Blue (71%)



- Red (19%)
- Yellow (34%)
- Blue (71%)



- Cyan (73%)
- Magenta (45%)
- Yellow (0%)
- Black (29%)





- Cyan (81%)
- Magenta (61%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 49.214, 283.067 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, 49.214, 283.067 by changing the saturation by 10% instead.


 43, 49.214,
283.067


 43, 49.214,
283.067


 100, 49.214,
283.067


 33, 49.214,
283.067


 63, 49.214,
283.067


 23, 49.214,
283.067


 73, 49.214,
283.067

 13, 49.214,
283.067

 83, 49.214,
283.067

 3, 49.214, 283.067

 93, 49.214,
283.067

 0, 49.214, 283.067

 43, 49.214,

 43, 49.214,

283.067

283.067

■ 39, 56.431,
286.763

■ 47, 42.173,
279.701

■ 36, 63.827,
290.643

■ 51, 35.269,
276.726

■ 33, 69.244,
293.335

■ 55, 28.461,
274.149

■ 60, 21.721,
271.940

■ 64, 15.038,
270.058

■ 68, 8.407, 268.459

■ 73, 1.833, 267.189

■ 77, 4.678, 85.804

■ 81, 11.119, 84.807

Harmonies

Complementary

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



43, 49.214, 283.067



58, 50.995, 76.582

Rectangle

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



43, 49.214, 283.067



43, 49.214, 333.067



43, 49.214, 103.067



43, 49.214, 153.067

Sweetspot

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



43, 49.214, 283.068



81, 17.900, 269.984



66, 50.572, 160.417



41, 12.030, 270.451



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



43, 49.214, 283.068



49, 73.516, 288.946



31, 81.242, 303.723



37, 3.758, 267.971



28, 61.080, 292.847



3, 11.316, 275.048

Inverse Universe

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



43, 56.196, 1.792



51, 76.257, 7.509



71, 65.059, 108.917



36, 4.528, 351.089



33, 58.694, 12.270



2, 11.555, 357.183

Previews

White Background



This preview shows how the CIE LCh color 43, 49.214, 283.067 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, 49.214, 283.067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

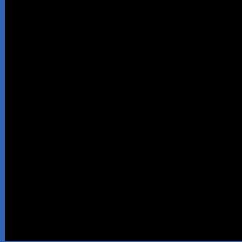
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 49.214, 283.067

Background



This preview shows how black text looks on a background with the CIELCh color 43, 49.214, 283.067.



This preview shows how white text looks on a background with the CIELCh color 43, 49.214, 283.067.

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, 49.214, 283.067

Protanopia

43, 48.891, 286.523

Deuteranopia

43, 48.137, 277.709



Tritanopia
43, 26.372, 208.673

Trichromacy



Original Color
43, 49.214, 283.067

Protanomaly
43, 48.992, 285.109

Deuteranomaly
43, 48.481, 279.427

Tritanomaly
43, 28.683, 245.748

Monochromacy



Original Color
43, 49.214, 283.067

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 19.037, 273.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 49.214, 283.067 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(49, 100, 181)` looks like.

```
.text, #text, p{  
    color:rgb(49, 100, 181)  
}
```

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(49, 100, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 100, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 49.214, 283.067 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(49, 100, 181) }
```

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

```
.border{ border-color:rgb(49, 100, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 100, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 100, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 100, 181);  
box-shadow:4px 4px 4px 4px rgb(49, 100,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 49.214, 283.067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 100, 181) }
```

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

```
.background{ background-color: rgb(49, 100,  
181) }
```

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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