

Converting Colors

CIELCh(46, 43.246, 279.382)

Have a look what the booklet for
CIELCh(46, 43.246, 279.382)
contains.

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Color

CIELCh(46, 43.071, 279.294)

Conversions

Conversions Part 1

Format	Color
Hex	3D6DB4
RGB	61, 109, 180
RGB Percent	24%, 43%, 71%
CMY	0.7600, 0.5720, 0.2935
CMYK	0.66, 0.39, 0.00, 0.29
HSL	216°, 49%, 47%
HSV	216°, 66%, 71%
XYZ	15.6754, 15.2687, 45.3880
YIQ	102.7420, -51.3990, 11.9050

Conversions

Conversions Part 2

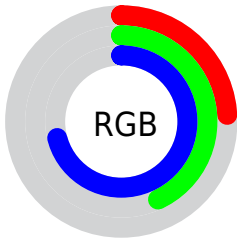
Format	Color
R_{YB}	61, 95, 180
Decimal	4025780
CIE _{Lab}	46.00, 6.96, -42.51
CIE _{LCh}	46, 43.071, 279.294
Yxy	15.2687, 0.2054, 0.2000
Android (android.graphics.Color)	4282215860 (0xFF3D6DB4)
YUV	102.7420, 38.0882, -36.6077
Hunter-Lab	39.0751, 3.2256, -41.5160

Details

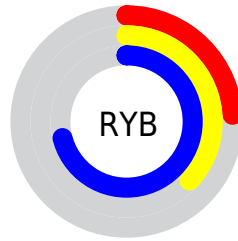
The CIELCh color **46, 43.071, 279.294** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **59, 45.861, 76.130**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 42.994, 279.277**, and **27, 42.726, 283.664** is the 20% darker color. If you saturate the color by 10%, you get **42, 49.861, 282.828**, and if you desaturate by 10%, it is **50, 36.405, 276.155**.

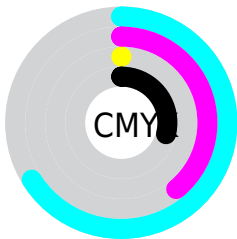
Distribution



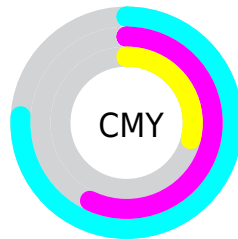
- Red (24%)
- Green (43%)
- Blue (71%)



- Red (24%)
- Yellow (37%)
- Blue (71%)



- Cyan (66%)
- Magenta (39%)
- Yellow (0%)
- Black (29%)



- Cyan (76%)
- Magenta (57%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 43.071, 279.294 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 46, 43.071, 279.294 by changing the saturation by 10% instead.

 46, 43.071,
279.294


 46, 43.071,
279.294

 100, 43.071,
279.294

 36, 43.071,
279.294

 66, 43.071,
279.294

 26, 43.071,
279.294

 76, 43.071,
279.294

 16, 43.071,
279.294

 86, 43.071,
279.294

 6, 43.071, 279.294

 96, 43.071,
279.294

 0, 43.071, 279.294

 46, 43.071,

 46, 43.071,

279.294

279.294

■ 42, 49.861,
282.828

■ 50, 36.405,
276.155

■ 39, 56.821,
286.670

■ 54, 29.818,
273.425

■ 35, 63.954,
290.648

■ 58, 23.281,
271.084

■ 34, 66.834,
292.126

■ 62, 16.777,
269.089

■ 67, 10.305,
267.395

■ 71, 3.869, 265.983

■ 75, 2.523, 84.556

■ 79, 8.862, 83.554

■ 84, 15.140, 82.628

Harmonies

Complementary

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



46, 43.071, 279.294



59, 45.861, 76.130

Rectangle

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



46, 43.071, 279.294



46, 43.071, 329.294



46, 43.071, 99.294



46, 43.071, 149.294

Sweetspot

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



46, 43.070, 279.295



82, 15.951, 268.091



66, 47.522, 160.595



42, 10.882, 268.564



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



46, 43.070, 279.295



53, 64.393, 284.456



34, 73.144, 302.280



36, 3.607, 266.412



29, 58.440, 291.582



3, 9.565, 272.854

Inverse Universe

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



45, 52.191, 358.607



53, 72.784, 2.851



71, 60.119, 108.383



35, 4.470, 350.007



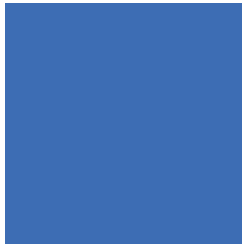
32, 57.815, 10.537



2, 10.101, 355.181

Previews

White Background



This preview shows how the CIE LCh color 46, 43.071, 279.294 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 46, 43.071, 279.294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

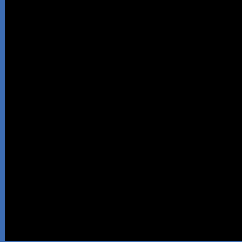
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 43.071, 279.294

Background



This preview shows how black text looks on a background with the CIELCh color 46, 43.071, 279.294.



This preview shows how white text looks on a background with the CIELCh color 46, 43.071, 279.294.

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

46, 43.071, 279.294

Protanopia

46, 42.389, 285.853

Deuteranopia

46, 43.071, 279.294



Tritanopia
46, 25.483, 210.547

Trichromacy



Original Color
46, 43.071, 279.294

Protanomaly
46, 42.614, 283.280

Deuteranomaly
46, 43.071, 279.294

Tritanomaly
46, 26.840, 243.559

Monochromacy



Original Color
46, 43.071, 279.294

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 16.483, 270.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 43.071, 279.294 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(61, 109, 180)` looks like.

```
.text, #text, p{  
    color:rgb(61, 109, 180)  
}
```

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(61, 109, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 109, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 43.071, 279.294 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(61, 109, 180) }
```

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

```
.border{ border-color:rgb(61, 109, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 109, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(61, 109, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(61, 109, 180); box-shadow:4px 4px 4px 4px rgb(61, 109, 180) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 43.071, 279.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 109, 180) }
```

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

```
.background{ background-color: rgb(61, 109,  
180) }
```

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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