

Converting Colors

CIELCh(46, 56.279, 283.853)

Have a look what the booklet for
CIELCh(46, 56.279, 283.853)
contains.

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Color

CIELCh(46, 56.279, 283.853)

Conversions

Conversions Part 1

Format	Color
Hex	2B6BC9
RGB	43, 107, 201
RGB Percent	17%, 42%, 79%
CMY	0.8308, 0.5801, 0.2114
CMYK	0.79, 0.47, 0.00, 0.21
HSL	216°, 65%, 48%
HSV	216°, 79%, 79%
XYZ	16.8202, 15.2687, 57.3718
YIQ	98.5800, -68.3180, 15.6660

Conversions

Conversions Part 2

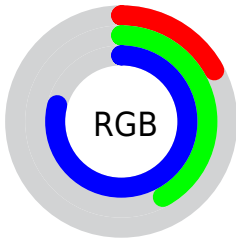
Format	Color
R _Y B	43, 89, 201
Decimal	2845641
CIE Lab	46.00, 13.47, -54.64
CIE LCh	46, 56.279, 283.853
Yxy	15.2687, 0.1880, 0.1707
Android (android.graphics.Color)	4281035721 (0xFF2B6BC9)
YUV	98.5800, 50.4931, -48.7437
Hunter-Lab	39.0751, 8.4553, -59.6996

Details

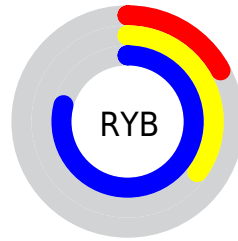
The CIELCh color **46, 56.279, 283.853** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **62, 59.166, 73.776**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 54.321, 282.963**, and **28, 54.748, 290.317** is the 20% darker color. If you saturate the color by 10%, you get **42, 63.920, 287.801**, and if you desaturate by 10%, it is **50, 48.830, 280.181**.

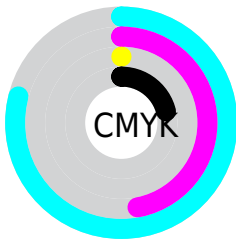
Distribution



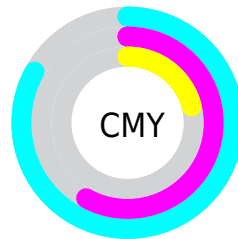
- Red (17%)
- Green (42%)
- Blue (79%)



- Red (17%)
- Yellow (35%)
- Blue (79%)



- Cyan (79%)
- Magenta (47%)
- Yellow (0%)
- Black (21%)





- Cyan (83%)
- Magenta (58%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 56.279, 283.853 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, 56.279, 283.853 by changing the saturation by 10% instead.


 46, 56.279,
283.853


 46, 56.279,
283.853


 100, 56.279,
283.853


 36, 56.279,
283.853

 66, 56.279,
283.853


 26, 56.279,
283.853

 76, 56.279,
283.853

 16, 56.279,
283.853

 86, 56.279,
283.853

 6, 56.279, 283.853

 96, 56.279,
283.853

 0, 56.279, 283.853

 46, 56.279,

 46, 56.279,

283.853

■ 42, 63.920,
287.801

■ 39, 71.744,
291.784

■ 38, 72.900,
292.324

283.853

■ 50, 48.830,
280.181

■ 54, 41.532,
276.890

■ 59, 34.333,
274.018

■ 63, 27.193,
271.549

■ 68, 20.090,
269.446

■ 72, 13.018,
267.661

■ 77, 5.983, 266.159

■ 82, 1.008, 84.509

Harmonies

Complementary

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



46, 56.279, 283.853



62, 59.166, 73.776

Rectangle

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



46, 56.279, 283.853



46, 56.279, 333.853



46, 56.279, 103.853



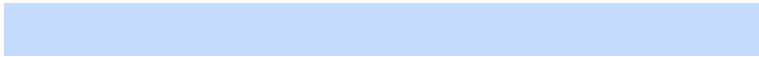
46, 56.279, 153.853

Sweetspot

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



46, 56.279, 283.854



87, 20.464, 268.659



72, 58.926, 158.221



44, 14.071, 269.332



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 56.279, 283.854



51, 82.757, 290.533



31, 95.232, 304.472



40, 3.937, 266.273



31, 61.436, 291.685



4, 15.557, 277.193

Inverse Universe

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



46, 64.280, 2.295



55, 83.527, 9.269



78, 74.119, 107.880



39, 4.894, 349.914



34, 60.635, 10.674



4, 17.078, 358.616

Previews

White Background



This preview shows how the CIELCh color 46, 56.279, 283.853 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, 56.279, 283.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

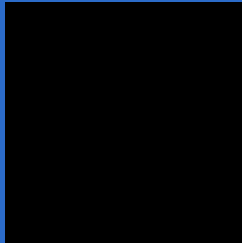
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

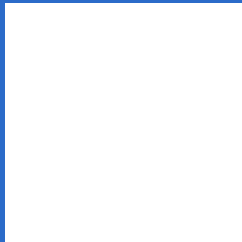
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 56.279, 283.853

Background



This preview shows how black text looks on a background with the CIELCh color 46, 56.279, 283.853.




This preview shows how white text looks on a background with the CIELCh color 46, 56.279, 283.853.

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
46, 27.730, 207.919

Trichromacy



Original Color
46, 56.279, 283.853

Protanomaly
46, 56.049, 285.733

Deuteranomaly
46, 53.427, 279.224

Tritanomaly
45, 31.170, 248.403

Monochromacy



Original Color
46, 56.279, 283.853

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 21.539, 272.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 56.279, 283.853 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(43, 107, 201)` looks like.

```
.text, #text, p{  
    color:rgb(43, 107, 201)  
}
```

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(43, 107, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 107, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 56.279, 283.853 is called "border". The border property can be set on classes, ids or directly on the HTML element.

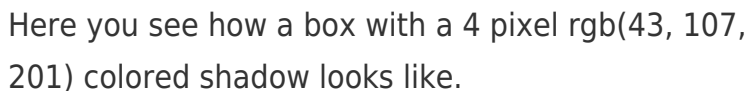
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(43, 107, 201) }
```

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

```
.border{ border-color:rgb(43, 107, 201) }
```

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



Here you see how a box with a 4 pixel `rgb(43, 107, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 107, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 107, 201);  
box-shadow:4px 4px 4px 4px rgb(43, 107,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 56.279, 283.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 107, 201) }
```

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

```
.background{ background-color: rgb(43, 107,  
201) }
```

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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