

Converting Colors

CIELCh(43, 43.369, 239.198)

Have a look what the booklet for
CIELCh(43, 43.369, 239.198)
contains.

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Color

CIELCh(46, 34.590, 254.557)

Conversions

Conversions Part 1

Format	Color
Hex	0574A4
RGB	5, 116, 164
RGB Percent	2%, 45%, 64%
CMY	0.9813, 0.5442, 0.3556
CMYK	0.97, 0.29, 0.00, 0.36
HSL	198°, 94%, 33%
HSV	198°, 97%, 64%
XYZ	13.0630, 15.2687, 37.5374
YIQ	88.2830, -81.5640, -8.6040

Conversions

Conversions Part 2

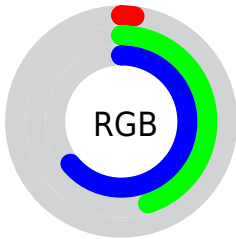
Format	Color
RYB	5, 70, 164
Decimal	357540
CIELab	46.00, -9.21, -33.34
CIELCh	46, 34.590, 254.557
Yxy	15.2687, 0.1983, 0.2318
Android (android.graphics.Color)	4278547620 (0xFF0574A4)
YUV	88.2830, 37.3285, -73.0392
Hunter-Lab	39.0751, -8.7081, -29.6042

Details

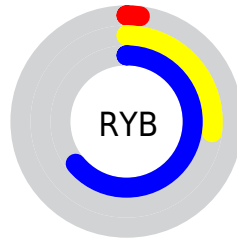
The CIELCh color **46, 34.590, 254.557** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 65.848, 47.824**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 34.418, 254.245**, and **28, 30.598, 268.842** is the 20% darker color. If you saturate the color by 10%, you get **46, 35.178, 255.888**, and if you desaturate by 10%, it is **48, 32.616, 249.921**.

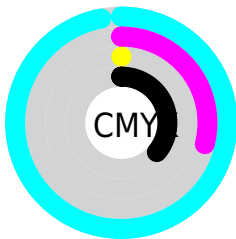
Distribution



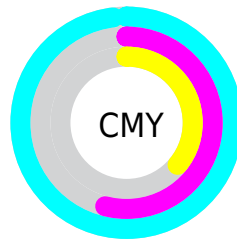
- Red (2%)
- Green (45%)
- Blue (64%)



- Red (2%)
- Yellow (27%)
- Blue (64%)



- Cyan (97%)
- Magenta (29%)
- Yellow (0%)
- Black (36%)





- Cyan (98%)
- Magenta (54%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 34.590, 254.557 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, 34.590, 254.557 by changing the saturation by 10% instead.


 46, 34.590,
254.557


 46, 34.590,
254.557


 100, 34.590,
254.557


 36, 34.590,
254.557

 66, 34.590,
254.557


 26, 34.590,
254.557

 76, 34.590,
254.557

 16, 34.590,
254.557

 86, 34.590,
254.557

 6, 34.590, 254.557

 96, 34.590,
254.557

 0, 34.590, 254.557

 46, 34.590,

 46, 34.590,

254.557

■ 46, 35.178,
255.888

254.557

■ 48, 32.616,
249.921

■ 50, 30.393,
245.867

■ 52, 27.787,
242.476

■ 54, 24.740,
239.704

■ 56, 21.244,
237.471

■ 58, 17.328,
235.691

■ 61, 13.041,
234.282

■ 63, 8.438, 233.179

Harmonies

Complementary

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



46, 34.590, 254.557



39, 65.848, 47.824

Rectangle

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



46, 34.590, 254.557



46, 34.590, 304.557



46, 34.590, 74.557



46, 34.590, 124.557

Sweetspot

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



46, 34.589, 254.558



77, 17.198, 234.596



59, 74.717, 141.832



39, 11.640, 235.158



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



46, 34.589, 254.558



59, 43.230, 256.924



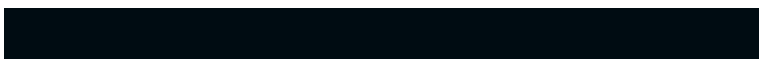
24, 81.323, 301.533



33, 2.824, 232.509



40, 31.998, 255.318



3, 4.487, 238.807

Inverse Universe

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



37, 66.231, 344.277



48, 80.706, 345.207



57, 60.912, 88.434



32, 5.074, 334.929



32, 60.888, 344.572



1, 7.524, 336.741

Previews

White Background



This preview shows how the CIELCh color 46, 34.590, 254.557 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, 34.590, 254.557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

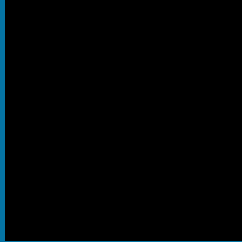
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 34.590, 254.557

Background



This preview shows how black text looks on a background with the CIELCh color 46, 34.590, 254.557.

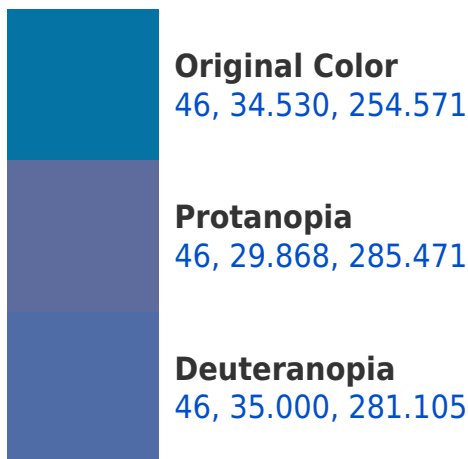



This preview shows how white text looks on a background with the CIELCh color 46, 34.590, 254.557.

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, 27.899, 207.831

Trichromacy



Original Color
46, 34.530, 254.571

Protanomaly
45, 31.972, 268.763

Deuteranomaly
45, 34.597, 268.304

Tritanomaly
46, 28.069, 226.637

Monochromacy



Original Color
46, 34.530, 254.571

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 16.928, 239.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 34.590, 254.557 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(5, 116, 164)` looks like.

```
.text, #text, p{  
    color:rgb(5, 116, 164)  
}
```

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(5, 116, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 116, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 34.590, 254.557 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(5, 116, 164) }
```

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

```
.border{ border-color:rgb(5, 116, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 116, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 116, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 116, 164);  
box-shadow:4px 4px 4px 4px rgb(5, 116,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 34.590, 254.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 116, 164) }
```

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

```
.background{ background-color: rgb(5, 116,  
164) }
```

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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