

Converting Colors

CIELCh(46, 39.440, 285.243)

Have a look what the booklet for
CIELCh(46, 39.440, 285.243)
contains.

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Color

CIELCh(46, 39.414, 285.204)

Conversions

Conversions Part 1

Format	Color
Hex	536BAD
RGB	83, 107, 173
RGB Percent	33%, 42%, 68%
CMY	0.6760, 0.5817, 0.3230
CMYK	0.52, 0.38, 0.00, 0.32
HSL	224°, 35%, 50%
HSV	224°, 52%, 68%
XYZ	16.2624, 15.2687, 41.4337
YIQ	107.3480, -35.4900, 15.4380

Conversions

Conversions Part 2

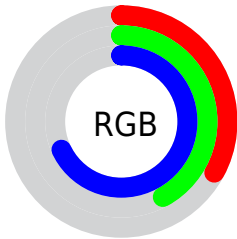
Format	Color
R_{YB}	83, 102, 173
Decimal	5467053
CIE _{Lab}	46.00, 10.34, -38.03
CIE _{LCh}	46, 39.414, 285.204
Yxy	15.2687, 0.2229, 0.2093
Android (android.graphics.Color)	4283657133 (0xFF536BAD)
YUV	107.3480, 32.3664, -21.3532
Hunter-Lab	39.0751, 5.9069, -35.5161

Details

The CIELCh color **46, 39.414, 285.204** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **62, 37.877, 89.526**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 39.537, 285.416**, and **26, 39.451, 285.285** is the 20% darker color. If you saturate the color by 10%, you get **41, 47.640, 287.887**, and if you desaturate by 10%, it is **51, 31.434, 282.859**.

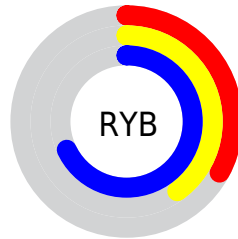
Distribution



Red (33%)

Green (42%)

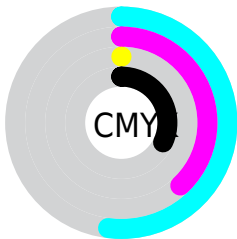
Blue (68%)



Red (33%)

Yellow (40%)

Blue (68%)

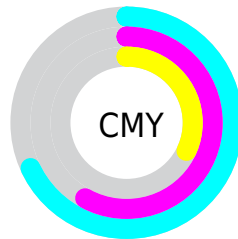


Cyan (52%)

Magenta (38%)

Yellow (0%)

Black (32%)



Cyan (68%)


Magenta (58%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 39.414, 285.204 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, 39.414, 285.204 by changing the saturation by 10% instead.


 46, 39.414,
285.204


 46, 39.414,
285.204


 100, 39.414,
285.204


 36, 39.414,
285.204

 66, 39.414,
285.204


 26, 39.414,
285.204

 76, 39.414,
285.204

 16, 39.414,
285.204

 86, 39.414,
285.204

 6, 39.414, 285.204

 96, 39.414,
285.204

 0, 39.414, 285.204

 46, 39.414,

 46, 39.414,

285.204

■ 41, 47.640,
287.887

■ 37, 56.123,
290.880

■ 33, 64.808,
294.097

■ 29, 73.500,
297.364

■ 27, 80.102,
299.727

285.204

■ 51, 31.434,
282.859

■ 55, 23.677,
280.835

■ 60, 16.118,
279.100

■ 65, 8.738, 277.618

■ 70, 1.527, 276.432

■ 74, 5.524, 95.177

■ 79, 12.420, 94.234

■ 84, 19.167, 93.399

■ 88, 25.767, 92.663

Harmonies

Complementary

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



46, 39.414, 285.204



62, 37.877, 89.526

Rectangle

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



46, 39.414, 285.204



46, 39.414, 335.204



46, 39.414, 105.204



46, 39.414, 155.204

Sweetspot

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



46, 39.413, 285.205



80, 14.326, 278.204



65, 33.599, 171.564



41, 9.681, 278.497



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



46, 39.413, 285.205



53, 59.962, 288.455



41, 54.664, 303.379



34, 4.079, 277.242



23, 71.600, 299.368



2, 9.014, 279.312

Inverse Universe

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



47, 39.498, 5.441



56, 58.571, 8.445



67, 48.133, 115.331



34, 4.056, 359.091



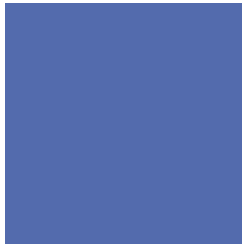
31, 59.794, 23.011



2, 8.215, 1.897

Previews

White Background



This preview shows how the CIELCh color 46, 39.414, 285.204 looks on a white background.

Color Contrast Check

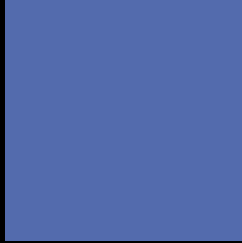
Large Text (above 18pt) WCAG AA ✓ Pass

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, 39.414, 285.204 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

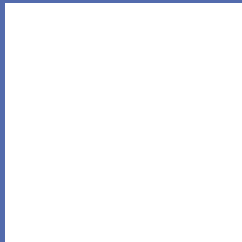
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 39.414, 285.204

Background



This preview shows how black text looks on a background with the CIELCh color 46, 39.414, 285.204.



This preview shows how white text looks on a background with the CIELCh color 46, 39.414, 285.204.

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, 39.414, 285.204

Protanopia

46, 39.403, 286.017

Deuteranopia

46, 38.131, 279.832



Tritanopia
46, 17.373, 217.947

Trichromacy



Original Color
46, 39.414, 285.204

Protanomaly
46, 39.437, 285.644

Deuteranomaly
46, 38.551, 281.652

Tritanomaly
46, 21.403, 255.634

Monochromacy



Original Color
46, 39.414, 285.204

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 14.583, 279.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 39.414, 285.204 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(83, 107, 173)` looks like.

```
.text, #text, p{  
    color:rgb(83, 107, 173)  
}
```

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(83, 107, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 107, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 39.414, 285.204 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(83, 107, 173) }
```

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

```
.border{ border-color:rgb(83, 107, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 107, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 107, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 107, 173);  
box-shadow:4px 4px 4px 4px rgb(83, 107,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 39.414, 285.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 107, 173) }
```

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

```
.background{ background-color: rgb(83, 107,  
173) }
```

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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