

Converting Colors

CIELCh(46, 49.568, 293.697)

Have a look what the booklet for
CIELCh(46, 49.568, 293.697)
contains.

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Color

CIELCh(46, 49.164, 293.542)

Conversions

Conversions Part 1

Format	Color
Hex	5D66B9
RGB	93, 102, 185
RGB Percent	36%, 40%, 73%
CMY	0.6362, 0.6008, 0.2754
CMYK	0.50, 0.45, 0.00, 0.28
HSL	234°, 40%, 54%
HSV	234°, 50%, 72%
XYZ	17.9524, 15.2687, 47.7673
YIQ	108.7710, -32.0070, 23.9050

Conversions

Conversions Part 2

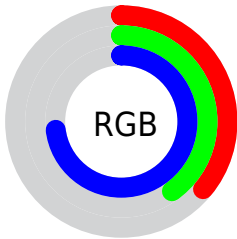
Format	Color
R _Y B	93, 101, 185
Decimal	6121145
CIE Lab	46.00, 19.64, -45.07
CIE LCh	46, 49.164, 293.542
Yxy	15.2687, 0.2217, 0.1885
Android (android.graphics.Color)	4284311225 (0xFF5D66B9)
YUV	108.7710, 37.5809, -13.8312
Hunter-Lab	39.0751, 13.6273, -45.1263

Details

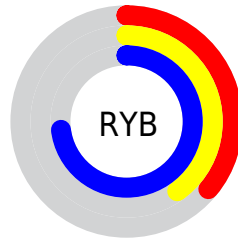
The CIELCh color `46, 49.164, 293.542` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `71, 44.056, 100.647`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `66, 49.275, 293.362`, and `26, 48.697, 293.161` is the 20% darker color. If you saturate the color by 10%, you get `40, 60.188, 295.838`, and if you desaturate by 10%, it is `52, 38.523, 291.514`.

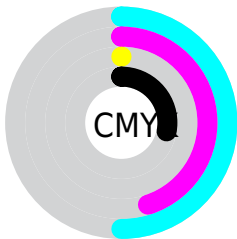
Distribution



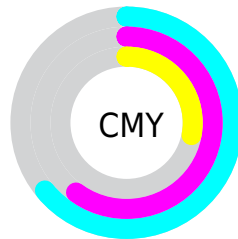
- Red (36%)
- Green (40%)
- Blue (73%)



- Red (36%)
- Yellow (40%)
- Blue (73%)



- Cyan (50%)
- Magenta (45%)
- Yellow (0%)
- Black (28%)





- Cyan (64%)
- Magenta (60%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 49.164, 293.542 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, 49.164, 293.542 by changing the saturation by 10% instead.


 46, 49.164,
293.542


 46, 49.164,
293.542


 100, 49.164,
293.542

 36, 49.164,
293.542

 66, 49.164,
293.542


 26, 49.164,
293.542

 76, 49.164,
293.542

 16, 49.164,
293.542

 86, 49.164,
293.542

 6, 49.164, 293.542

 96, 49.164,
293.542

 0, 49.164, 293.542

 46, 49.164,

 46, 49.164,

293.542

■ 40, 60.188,
295.838

■ 35, 71.447,
298.335

■ 30, 82.517,
300.878

■ 26, 92.503,
303.207

■ 23, 100.128,
304.963

■ 23, 100.256,
304.990

293.542

■ 52, 38.523,
291.514

■ 58, 28.292,
289.759

■ 64, 18.450,
288.258

■ 69, 8.969, 286.981

■ 75, 0.179, 105.319

■ 81, 9.019, 104.927

■ 87, 17.572,
104.125

■ 92, 25.857,
103.429

■ 98, 33.795,

Harmonies

Complementary

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



46, 49.164, 293.542



71, 44.056, 100.647

Rectangle

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



46, 49.164, 293.542



46, 49.164, 343.542



46, 49.164, 113.542



46, 49.164, 163.542

Sweetspot

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



46, 49.163, 293.543



84, 17.138, 287.651



69, 29.888, 187.242



43, 11.729, 287.925



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



46, 49.163, 293.543



52, 74.789, 296.128



47, 55.400, 308.519



36, 5.159, 286.928



19, 87.609, 304.772



1, 14.272, 287.260

Inverse Universe

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



51, 39.862, 17.802



60, 60.276, 20.613



71, 50.546, 123.061



36, 4.030, 11.998



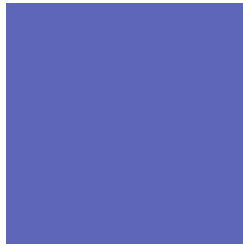
32, 68.142, 35.325



2, 10.711, 13.459

Previews

White Background



This preview shows how the CIELCh color 46, 49.164, 293.542 looks on a white background.

Color Contrast Check

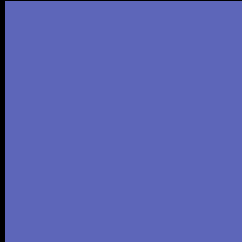
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 46, 49.164, 293.542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

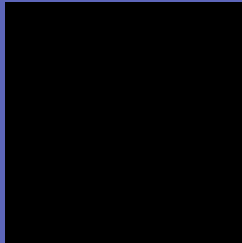
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 49.164, 293.542

Background



This preview shows how black text looks on a background with the CIELCh color 46, 49.164, 293.542.



This preview shows how white text looks on a background with the CIELCh color 46, 49.164, 293.542.

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, 49.164, 293.542

Protanopia

46, 49.435, 286.458

Deuteranopia

46, 44.313, 278.752



Tritanopia
46, 15.265, 221.103

Trichromacy



Original Color
46, 49.164, 293.542

Protanomaly
46, 49.307, 289.136

Deuteranomaly
46, 46.088, 284.143

Tritanomaly
46, 23.496, 269.565

Monochromacy



Original Color
46, 49.164, 293.542

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 18.475, 289.343

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 49.164, 293.542 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(93, 102, 185)` looks like.

```
.text, #text, p{  
    color:rgb(93, 102, 185)  
}
```

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(93, 102, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 102, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 49.164, 293.542 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(93, 102, 185) }
```

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

```
.border{ border-color:rgb(93, 102, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 102, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 102, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 102, 185);  
box-shadow:4px 4px 4px 4px rgb(93, 102,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 49.164, 293.542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 102, 185) }
```

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

```
.background{ background-color: rgb(93, 102,  
185) }
```

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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