

Converting Colors

CIELCh(46, 29.386, 293.334)

Have a look what the booklet for
CIELCh(46, 29.386, 293.334)
contains.

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Color

CIELCh(46, 29.129, 292.739)

Conversions

Conversions Part 1

Format	Color
Hex	67699A
RGB	103, 105, 154
RGB Percent	40%, 41%, 60%
CMY	0.5968, 0.5889, 0.3968
CMYK	0.33, 0.32, 0.00, 0.40
HSL	238°, 20%, 50%
HSV	238°, 33%, 60%
XYZ	16.4251, 15.2687, 32.5734
YIQ	109.9880, -16.9210, 14.8150

Conversions

Conversions Part 2

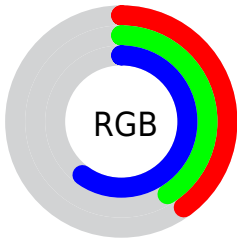
Format	Color
R_{YB}	103, 105, 154
Decimal	6777242
CIE _{Lab}	46.00, 11.26, -26.86
CIE _{LCh}	46, 29.129, 292.739
Yxy	15.2687, 0.2556, 0.2376
Android (android.graphics.Color)	4284967322 (0xFF67699A)
YUV	109.9880, 21.6979, -6.1285
Hunter-Lab	39.0751, 6.6503, -22.0721

Details

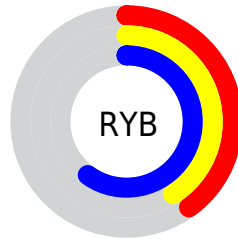
The CIELCh color `46, 29.129, 292.739` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `62, 27.063, 105.319`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `66, 29.406, 292.534`, and `26, 29.418, 292.651` is the 20% darker color. If you saturate the color by 10%, you get `41, 38.697, 294.478`, and if you desaturate by 10%, it is `51, 19.939, 291.244`.

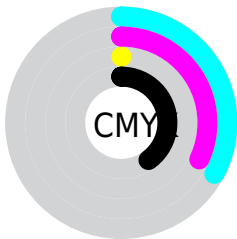
Distribution



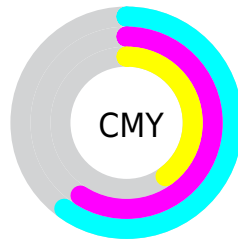
- Red (40%)
- Green (41%)
- Blue (60%)



- Red (40%)
- Yellow (41%)
- Blue (60%)



- Cyan (33%)
- Magenta (32%)
- Yellow (0%)
- Black (40%)



- Cyan (60%)
- Magenta (59%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 29.129, 292.739 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, 29.129, 292.739 by changing the saturation by 10% instead.


 46, 29.129,
292.739


 46, 29.129,
292.739


 100, 29.129,
292.739


 36, 29.129,
292.739

 66, 29.129,
292.739


 26, 29.129,
292.739

 76, 29.129,
292.739

 16, 29.129,
292.739

 86, 29.129,
292.739

 6, 29.129, 292.739

 96, 29.129,
292.739

 0, 29.129, 292.739

 46, 29.129,

 46, 29.129,

292.739

41, 38.697,
294.478

36, 48.638,
296.466

31, 58.854,
298.666

26, 69.048,
300.967

22, 78.533,
303.151

19, 86.133,
304.912

18, 89.804,
305.698

292.739

51, 19.939,
291.244

57, 11.111,
289.968

62, 2.619, 288.898

67, 5.565, 107.932

72, 13.462,
107.142

77, 21.091,
106.459

83, 28.472,
105.869

88, 35.618,
105.355

■ 93, 42.545,
104.908

Harmonies

Complementary

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



46, 29.129, 292.739



62, 27.063, 105.319

Rectangle

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



46, 29.129, 292.739



46, 29.129, 342.739



46, 29.129, 112.739



46, 29.129, 162.739

Sweetspot

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



46, 29.128, 292.739



74, 10.362, 289.630



60, 17.981, 193.157



38, 7.067, 289.774



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



46, 29.128, 292.739



54, 44.015, 294.041



48, 31.353, 309.010



30, 4.721, 289.522



16, 83.742, 305.629



0, 5.027, 288.593

Inverse Universe

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



49, 22.033, 19.230



59, 33.563, 20.365



61, 29.794, 125.740



30, 3.440, 16.708



28, 64.806, 37.475



1, 3.604, 16.188

Previews

White Background



This preview shows how the CIELCh color 46, 29.129, 292.739 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, 29.129, 292.739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

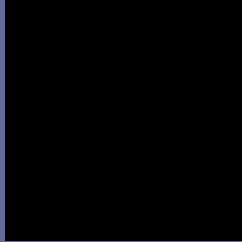
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 29.129, 292.739

Background



This preview shows how black text looks on a background with the CIELCh color 46, 29.129, 292.739.



This preview shows how white text looks on a background with the CIELCh color 46, 29.129, 292.739.

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, 29.129, 292.739

Protanopia

46, 29.290, 285.186

Deuteranopia

46, 26.981, 283.251



Tritanopia
46, 7.975, 241.242

Trichromacy



Original Color
46, 29.129, 292.739

Protanomaly
46, 29.180, 288.263

Deuteranomaly
46, 27.413, 286.884

Tritanomaly
46, 14.128, 275.560

Monochromacy



Original Color
46, 29.129, 292.739

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 10.703, 289.605

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 29.129, 292.739 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(103, 105, 154)` looks like.

```
.text, #text, p{  
    color:rgb(103, 105, 154)  
}
```

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(103, 105, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 105, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 29.129, 292.739 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(103, 105, 154) }
```

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

```
.border{ border-color:rgb(103, 105, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 105, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 105, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 105, 154);  
box-shadow:4px 4px 4px 4px rgb(103, 105,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 29.129, 292.739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 105, 154) }
```

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

```
.background{ background-color: rgb(103,  
105, 154) }
```

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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