

Converting Colors

CIELCh(46, 15.447, 308.126)

Have a look what the booklet for
CIELCh(46, 15.447, 308.126)
contains.

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Color

CIELCh(46, 15.657, 309.251)

Conversions

Conversions Part 1

Format	Color
Hex	746881
RGB	116, 104, 129
RGB Percent	45%, 41%, 51%
CMY	0.5442, 0.5912, 0.4932
CMYK	0.10, 0.19, 0.00, 0.49
HSL	269°, 11%, 46%
HSV	269°, 19%, 51%
XYZ	16.1869, 15.2687, 22.9478
YIQ	110.4380, -0.8730, 10.3190

Conversions

Conversions Part 2

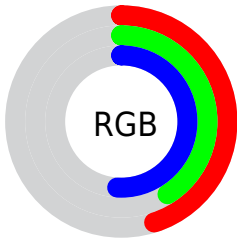
Format	Color
R_{YB}	116, 104, 129
Decimal	7628929
CIE Lab	46.00, 9.91, -12.12
CIE LCh	46, 15.657, 309.251
Yxy	15.2687, 0.2975, 0.2807
Android (android.graphics.Color)	4285819009 (0xFF746881)
YUV	110.4380, 9.1511, 4.8779
Hunter-Lab	39.0751, 5.5621, -7.4669

Details

The CIELCh color `46, 15.657, 309.251` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `52, 15.246, 127.515`, and the grayscale version is `47, 0.006, 296.813`.

A 20% lighter version of the original color is `66, 15.792, 309.099`, and `26, 15.819, 309.590` is the 20% darker color. If you saturate the color by 10%, you get `42, 24.053, 309.768`, and if you desaturate by 10%, it is `50, 7.461, 308.766`.

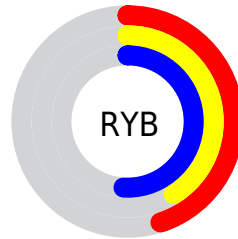
Distribution



Red (45%)

Green (41%)

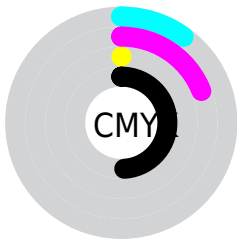
Blue (51%)



Red (45%)

Yellow (41%)

Blue (51%)

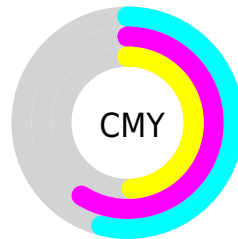


Cyan (10%)

Magenta (19%)

Yellow (0%)

Black (49%)



Cyan (54%)


Magenta (59%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 15.657, 309.251 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, 15.657, 309.251 by changing the saturation by 10% instead.


 46, 15.657,
309.251


 46, 15.657,
309.251


 100, 15.657,
309.251


 36, 15.657,
309.251

 66, 15.657,
309.251


 26, 15.657,
309.251

 76, 15.657,
309.251

 16, 15.657,
309.251


 86, 15.657,
309.251

 6, 15.657, 309.251

 96, 15.657,
309.251

 0, 15.657, 309.251

 46, 15.657,

 46, 15.657,

309.251

42, 24.053,
309.768

38, 32.599,
310.309

34, 41.191,
310.854

30, 49.647,
311.366

26, 57.677,
311.787

23, 64.846,
312.036

21, 70.603,
312.008

19, 75.142,
311.795

309.251

50, 7.461, 308.766

54, 0.504, 128.501

59, 8.233, 127.959

63, 15.726,
127.605

67, 22.990,
127.295

71, 30.034,
127.024

75, 36.869,
126.787

79, 43.507,
126.582

83, 49.958,

■ 18, 75.455,
311.791

126.405

Harmonies

Complementary

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



46, 15.657, 309.251



52, 15.246, 127.515

Rectangle

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



46, 15.657, 309.251



46, 15.657, 359.251



46, 15.657, 129.251



46, 15.657, 179.251

Sweetspot

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



46, 15.656, 309.250



66, 5.917, 308.615



49, 8.380, 254.300



34, 3.909, 308.640



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 15.656, 309.250



57, 23.221, 309.463



47, 17.611, 324.518



25, 4.447, 308.754



18, 74.708, 311.806



0, 0.000, 0.000

Inverse Universe

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



47, 12.774, 344.163



58, 18.900, 344.554



52, 17.577, 142.432



25, 3.642, 343.256



27, 51.071, 358.740



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 15.657, 309.251 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, 15.657, 309.251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

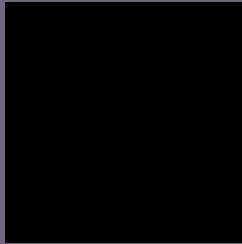
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 15.657, 309.251

Background



This preview shows how black text looks on a background with the CIELCh color 46, 15.657, 309.251.



This preview shows how white text looks on a background with the CIELCh color 46, 15.657, 309.251.

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, 15.657, 309.251

Protanopia

46, 14.309, 286.193

Deuteranopia

46, 13.814, 298.347



Tritanopia
46, 5.561, 321.289

Trichromacy



Original Color
46, 15.657, 309.251

Protanomaly
46, 14.294, 293.627

Deuteranomaly
46, 14.599, 302.628

Tritanomaly
46, 9.106, 314.349

Monochromacy



Original Color
46, 15.657, 309.251

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 5.597, 307.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 15.657, 309.251 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(116, 104, 129)` looks like.

```
.text, #text, p{  
    color:rgb(116, 104, 129)  
}
```

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(116, 104, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 104, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 15.657, 309.251 is called "border". The border property can be set on classes, ids or directly on the HTML element.

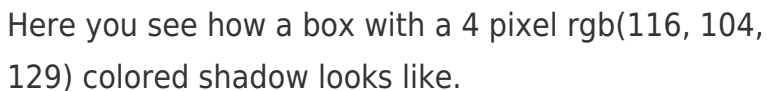
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 104, 129) }
```

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

```
.border{ border-color:rgb(116, 104, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 104, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 104, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 104, 129); box-shadow:4px 4px 4px 4px rgb(116, 104, 129) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 15.657, 309.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 104, 129) }
```

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

```
.background{ background-color: rgb(116,  
104, 129) }
```

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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