

Converting Colors

CIELCh(46, 23.628, 313.450)

Have a look what the booklet for
CIELCh(46, 23.628, 313.450)
contains.

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Color

CIELCh(46, 23.593, 313.442)

Conversions

Conversions Part 1

Format	Color
Hex	7B658A
RGB	123, 101, 138
RGB Percent	48%, 40%, 54%
CMY	0.5188, 0.6050, 0.4600
CMYK	0.11, 0.27, 0.00, 0.46
HSL	276°, 16%, 47%
HSV	276°, 27%, 54%
XYZ	17.3190, 15.2687, 25.9667
YIQ	111.7960, 1.2350, 16.1710

Conversions

Conversions Part 2

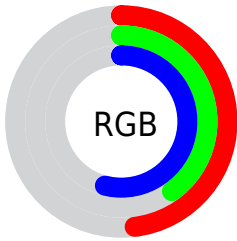
Format	Color
RYB	123, 101, 138
Decimal	8086922
CIELab	46.00, 16.22, -17.13
CIElCh	46, 23.593, 313.442
Yxy	15.2687, 0.2958, 0.2608
Android (android.graphics.Color)	4286277002 (0xFF7B658A)
YUV	111.7960, 12.9186, 9.8259
Hunter-Lab	39.0751, 10.7340, -12.0475

Details

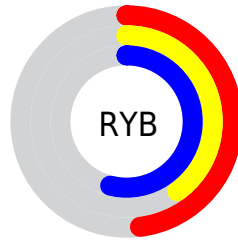
The CIELCh color $46, 23.593, 313.442$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $55, 22.940, 131.133$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 23.898, 313.375$, and $26, 23.642, 313.687$ is the 20% darker color. If you saturate the color by 10%, you get $42, 32.634, 313.896$, and if you desaturate by 10%, it is $50, 14.653, 312.993$.

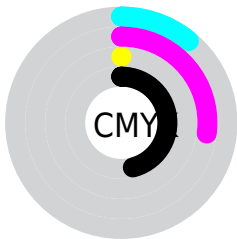
Distribution



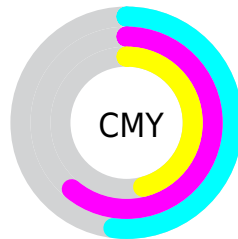
- Red (48%)
- Green (40%)
- Blue (54%)



- Red (48%)
- Yellow (40%)
- Blue (54%)



- Cyan (11%)
- Magenta (27%)
- Yellow (0%)
- Black (46%)



- Cyan (52%)
- Magenta (61%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 23.593, 313.442 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, 23.593, 313.442 by changing the saturation by 10% instead.

 46, 23.593,
313.442


 46, 23.593,
313.442


 100, 23.593,
313.442

 36, 23.593,
313.442

 66, 23.593,
313.442


 26, 23.593,
313.442

 76, 23.593,
313.442

 16, 23.593,
313.442

 86, 23.593,
313.442

 6, 23.593, 313.442

 96, 23.593,
313.442

 0, 23.593, 313.442

 46, 23.593,

 46, 23.593,

313.442

42, 32.634,
313.896

38, 41.651,
314.334

34, 50.439,
314.723

31, 58.688,
315.014

28, 65.973,
315.140

25, 71.790,
315.021

23, 75.918,
314.629

22, 77.185,
314.521

313.442

50, 14.653,
312.993

54, 5.891, 312.558

59, 2.654, 132.224

63, 10.964,
131.829

67, 19.033,
131.495

72, 26.864,
131.198

76, 34.465,
130.934

80, 41.845,
130.701

 84, 49.015,
130.495

Harmonies

Complementary

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



46, 23.593, 313.442



55, 22.940, 131.133

Rectangle

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



46, 23.593, 313.442



46, 23.593, 3.442



46, 23.593, 133.442



46, 23.593, 183.442

Sweetspot

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



46, 23.592, 313.442



69, 8.508, 312.615



48, 13.687, 267.876



35, 6.032, 312.673



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



46, 23.592, 313.442



56, 34.918, 313.707



47, 24.576, 328.260



27, 4.861, 312.658



21, 75.079, 314.560



0, 2.232, 312.299

Inverse Universe

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



47, 17.555, 351.671



57, 25.971, 352.374



54, 24.550, 144.972



27, 3.607, 349.822



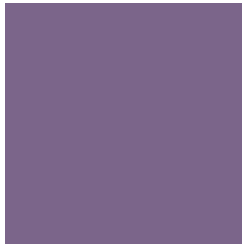
27, 52.032, 9.579



0, 1.651, 349.076

Previews

White Background



This preview shows how the CIELCh color 46, 23.593, 313.442 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, 23.593, 313.442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

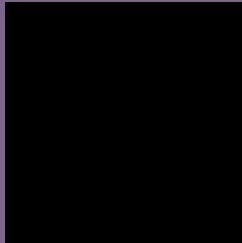
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 23.593, 313.442

Background



This preview shows how black text looks on a background with the CIELCh color 46, 23.593, 313.442.



This preview shows how white text looks on a background with the CIELCh color 46, 23.593, 313.442.

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, 23.593, 313.442

Protanopia

46, 20.893, 285.288

Deuteranopia

46, 17.246, 291.306



Tritanopia
46, 7.845, 337.477

Trichromacy



Original Color
46, 23.593, 313.442

Protanomaly
46, 21.496, 295.942

Deuteranomaly
46, 19.279, 300.426

Tritanomaly
46, 13.725, 320.992

Monochromacy



Original Color
46, 23.593, 313.442

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 8.379, 313.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 23.593, 313.442 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(123, 101, 138)` looks like.

```
.text, #text, p{  
    color:rgb(123, 101, 138)  
}
```

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(123, 101, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 101, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 23.593, 313.442 is called "border". The border property can be set on classes, ids or directly on the HTML element.

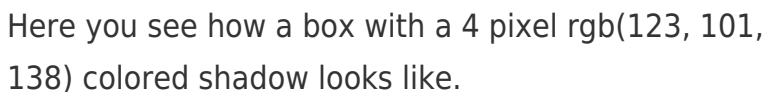
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(123, 101, 138) }
```

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

```
.border{ border-color:rgb(123, 101, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(123, 101, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 101, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 101, 138); box-shadow:4px 4px 4px 4px rgb(123, 101, 138) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 23.593, 313.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 101, 138) }
```

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

```
.background{ background-color: rgb(123,  
101, 138) }
```

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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