

Converting Colors

CIELCh(46, 24.460, 318.631)

Have a look what the booklet for
CIELCh(46, 24.460, 318.631)
contains.

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Color

CIELCh(46, 24.495, 318.639)

Conversions

Conversions Part 1

Format	Color
Hex	7F6388
RGB	127, 99, 136
RGB Percent	50%, 39%, 53%
CMY	0.5012, 0.6110, 0.4659
CMYK	0.07, 0.27, 0.00, 0.47
HSL	285°, 16%, 46%
HSV	285°, 27%, 53%
XYZ	17.7184, 15.2687, 25.3783
YIQ	111.5900, 4.8110, 17.4430

Conversions

Conversions Part 2

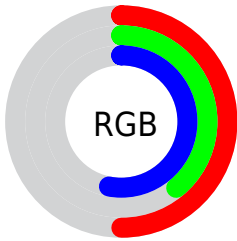
Format	Color
R_{YB}	127, 99, 136
Decimal	8348552
CIE _{Lab}	46.00, 18.38, -16.19
CIE _{LCh}	46, 24.495, 318.639
Yxy	15.2687, 0.3036, 0.2616
Android (android.graphics.Color)	4286538632 (0xFF7F6388)
YUV	111.5900, 12.0341, 13.5146
Hunter-Lab	39.0751, 12.5581, -11.1548

Details

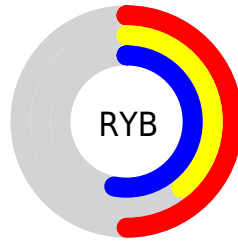
The CIELCh color $46, 24.495, 318.639$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $54, 24.123, 136.211$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 24.294, 318.769$, and $26, 24.369, 318.394$ is the 20% darker color. If you saturate the color by 10%, you get $42, 33.592, 319.053$, and if you desaturate by 10%, it is $50, 15.381, 318.211$.

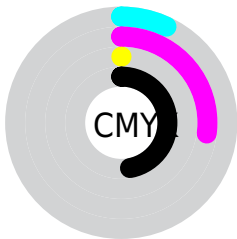
Distribution



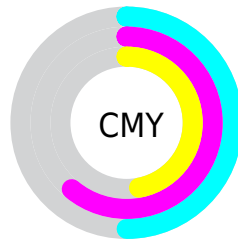
- Red (50%)
- Green (39%)
- Blue (53%)



- Red (50%)
- Yellow (39%)
- Blue (53%)



- Cyan (7%)
- Magenta (27%)
- Yellow (0%)
- Black (47%)




- Cyan (50%)
- Magenta (61%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 24.495, 318.639 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, 24.495, 318.639 by changing the saturation by 10% instead.


 46, 24.495,
318.639


 46, 24.495,
318.639


 100, 24.495,
318.639


 36, 24.495,
318.639

 66, 24.495,
318.639


 26, 24.495,
318.639

 76, 24.495,
318.639

 16, 24.495,
318.639

 86, 24.495,
318.639

 6, 24.495, 318.639

 96, 24.495,
318.639

 0, 24.495, 318.639

 46, 24.495,

 46, 24.495,

318.639

42, 33.592,
319.053

39, 42.502,
319.431

35, 50.972,
319.743

32, 58.663,
319.951

30, 65.174,
320.008

28, 70.105,
319.864

26, 73.415,
319.515

26, 74.314,
319.420

318.639

50, 15.381,
318.211

54, 6.368, 317.776

58, 2.473, 137.451

62, 11.103,
137.018

66, 19.503,
136.651

70, 27.664,
136.314

74, 35.589,
136.005

78, 43.284,
135.724

■ 82, 50.757,
135.469

Harmonies

Complementary

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



46, 24.495, 318.639



54, 24.123, 136.211

Rectangle

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



46, 24.495, 318.639



46, 24.495, 8.639



46, 24.495, 138.639



46, 24.495, 188.639

Sweetspot

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



46, 24.493, 318.639



68, 8.763, 317.820



46, 16.729, 280.967



35, 6.285, 317.880



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, 24.493, 318.639



56, 36.747, 318.912



47, 21.961, 334.106



27, 5.065, 317.864



25, 72.881, 319.441



0, 2.331, 317.501

Inverse Universe

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



46, 16.421, 2.855



56, 24.860, 3.759



53, 21.813, 150.343



27, 3.312, 0.785



27, 54.994, 24.316



0, 1.506, 0.012

Previews

White Background



This preview shows how the CIELCh color 46, 24.495, 318.639 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, 24.495, 318.639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

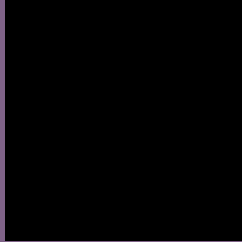
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 24.495, 318.639

Background



This preview shows how black text looks on a background with the CIELCh color 46, 24.495, 318.639.



This preview shows how white text looks on a background with the CIELCh color 46, 24.495, 318.639.

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, 24.495, 318.639

Protanopia

46, 20.310, 284.957

Deuteranopia

46, 16.655, 292.439



Tritanopia
46, 9.523, 350.837

Trichromacy



Original Color
46, 24.495, 318.639

Protanomaly
46, 20.960, 297.939

Deuteranomaly
46, 18.912, 304.022

Tritanomaly
46, 14.596, 330.705

Monochromacy



Original Color
46, 24.495, 318.639

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 9.434, 318.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 24.495, 318.639 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(127, 99, 136)` looks like.

```
.text, #text, p{  
    color:rgb(127, 99, 136)  
}
```

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(127, 99, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 99, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 24.495, 318.639 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(127, 99, 136) }
```

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

```
.border{ border-color:rgb(127, 99, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 99, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 99, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 99, 136);  
box-shadow:4px 4px 4px 4px rgb(127, 99,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 24.495, 318.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 99, 136) }
```

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

```
.background{ background-color: rgb(127, 99,  
136) }
```

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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