

Converting Colors

CIELCh(46, 24.346, 302.680)

Have a look what the booklet for
CIELCh(46, 24.346, 302.680)
contains.

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Color

CIELCh(46, 24.235, 302.763)

Conversions

Conversions Part 1

Format	Color
Hex	72678F
RGB	114, 103, 143
RGB Percent	45%, 40%, 56%
CMY	0.5528, 0.5960, 0.4391
CMYK	0.20, 0.28, 0.00, 0.44
HSL	257°, 16%, 48%
HSV	257°, 28%, 56%
XYZ	16.7556, 15.2687, 28.0615
YIQ	110.8490, -6.2840, 14.7720

Conversions

Conversions Part 2

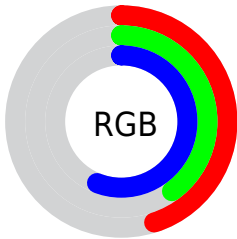
Format	Color
R_{YB}	114, 103, 143
Decimal	7497615
CIE _{Lab}	46.00, 13.12, -20.38
CIE _{LCh}	46, 24.235, 302.763
Yxy	15.2687, 0.2789, 0.2541
Android (android.graphics.Color)	4285687695 (0xFF72678F)
YUV	110.8490, 15.8504, 2.7634
Hunter-Lab	39.0751, 8.1602, -15.2261

Details

The CIELCh color $46, 24.235, 302.763$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 22.925, 119.220$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 24.330, 302.469$, and $26, 24.559, 302.589$ is the 20% darker color. If you saturate the color by 10%, you get $41, 33.454, 303.610$, and if you desaturate by 10%, it is $51, 15.300, 302.002$.

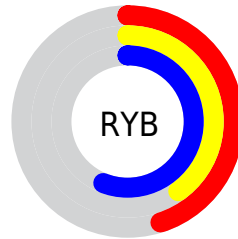
Distribution



Red (45%)

Green (40%)

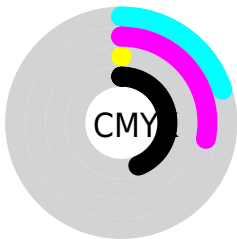
Blue (56%)



Red (45%)

Yellow (40%)

Blue (56%)

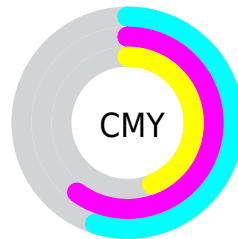


Cyan (20%)

Magenta (28%)

Yellow (0%)

Black (44%)



Cyan (55%)

Magenta (60%)

Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 24.235, 302.763 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, 24.235, 302.763 by changing the saturation by 10% instead.


 46, 24.235,
302.763


 46, 24.235,
302.763


 100, 24.235,
302.763

 36, 24.235,
302.763

 66, 24.235,
302.763


 26, 24.235,
302.763

 76, 24.235,
302.763

 16, 24.235,
302.763

 86, 24.235,
302.763

 6, 24.235, 302.763

 96, 24.235,
302.763

 0, 24.235, 302.763

 46, 24.235,

 46, 24.235,

302.763

41, 33.454,
303.610

37, 42.906,
304.535

32, 52.463,
305.508

28, 61.859,
306.467

24, 70.610,
307.306

21, 77.958,
307.869

18, 83.448,
308.109

18, 84.573,
308.194

302.763

51, 15.300,
302.002

56, 6.669, 301.329

60, 1.662, 120.764

65, 9.705, 120.238

70, 17.474,
119.793

75, 24.984,
119.408

79, 32.251,
119.077

84, 39.290,
118.792

88, 46.116,

Harmonies

Complementary

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



46, 24.235, 302.763



58, 22.925, 119.220

Rectangle

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



46, 24.235, 302.763



46, 24.235, 352.763



46, 24.235, 122.763



46, 24.235, 172.763

Sweetspot

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



46, 24.234, 302.763



71, 8.306, 301.342



53, 12.001, 229.602



37, 5.963, 301.431



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



46, 24.234, 302.763



55, 36.947, 303.326



48, 26.310, 318.984



28, 4.729, 301.406



16, 81.111, 308.240



0, 3.147, 300.857

Inverse Universe

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



49, 23.122, 335.181



59, 34.789, 335.687



56, 25.920, 136.448



28, 4.627, 333.853



30, 58.817, 342.595



1, 3.103, 333.293

Previews

White Background



This preview shows how the CIELCh color 46, 24.235, 302.763 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, 24.235, 302.763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

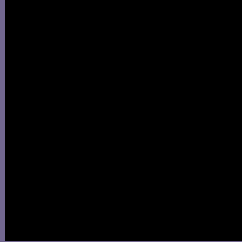
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 24.235, 302.763

Background



This preview shows how black text looks on a background with the CIELCh color 46, 24.235, 302.763.



This preview shows how white text looks on a background with the CIELCh color 46, 24.235, 302.763.

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, 24.235, 302.763

Protanopia

46, 22.718, 284.525

Deuteranopia

46, 20.839, 288.139



Tritanopia
46, 5.376, 295.151

Trichromacy



Original Color
46, 24.235, 302.763

Protanomaly
46, 23.195, 291.574

Deuteranomaly
46, 21.422, 293.067

Tritanomaly
46, 12.102, 300.939

Monochromacy



Original Color
46, 24.235, 302.763

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 9.075, 301.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 24.235, 302.763 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(114, 103, 143)` looks like.

```
.text, #text, p{  
    color:rgb(114, 103, 143)  
}
```

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(114, 103, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 103, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 24.235, 302.763 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(114, 103, 143) }
```

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

```
.border{ border-color:rgb(114, 103, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 103, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 103, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 103, 143);  
box-shadow:4px 4px 4px 4px rgb(114, 103,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 24.235, 302.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 103, 143) }
```

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

```
.background{ background-color: rgb(114,  
103, 143) }
```

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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