

Converting Colors

CIELCh(44, 15.978, 314.471)

Have a look what the booklet for
CIELCh(44, 15.978, 314.471)
contains.

| | |
|------------------------------------------------|----|
| CIELCh(44, 16.324, 314.626) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 21 |
| <i>Color Blindness Simulation</i> | 24 |
| <i>CSS Examples</i> | 27 |

Color

CIELCh(44, 16.324, 314.626)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 72627B |
| RGB | 114, 98, 123 |
| RGB Percent | 45%, 38%, 48% |
| CMY | 0.5516, 0.6144, 0.5163 |
| CMYK | 0.07, 0.20, 0.00, 0.52 |
| HSL | 278°, 11%, 43% |
| HSV | 278°, 20%, 48% |
| XYZ | 14.9811, 13.8382, 20.7354 |
| YIQ | 105.6340, 1.5110, 11.1670 |

Conversions

Conversions Part 2

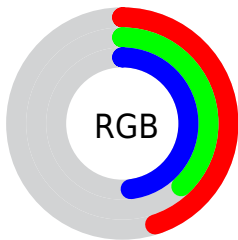
| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 114, 98, 123 |
| Decimal | 7496315 |
| CIE _{Lab} | 44.00, 11.47, -11.62 |
| CIE _{LCh} | 44, 16.324, 314.626 |
| Yxy | 13.8382, 0.3023, 0.2793 |
| Android (android.graphics.Color) | 4285686395 (0xFF72627B) |
| YUV | 105.6340, 8.5614, 7.3370 |
| Hunter-Lab | 37.1997, 6.7861, -7.0089 |

Details

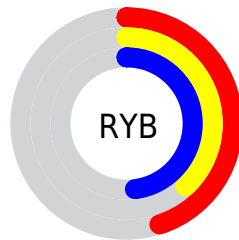
The CIELCh color $44, 16.324, 314.626$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $50, 16.030, 132.953$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 15.890, 314.862$, and $24, 16.574, 315.396$ is the 20% darker color. If you saturate the color by 10%, you get $40, 24.581, 315.057$, and if you desaturate by 10%, it is $48, 8.186, 314.200$.

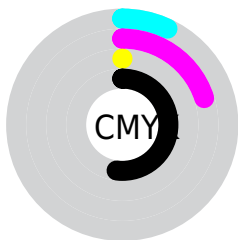
Distribution



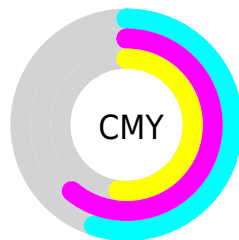
- Red (45%)
- Green (38%)
- Blue (48%)



- Red (45%)
- Yellow (38%)
- Blue (48%)



- Cyan (7%)
- Magenta (20%)
- Yellow (0%)
- Black (52%)



- Cyan (55%)
- Magenta (61%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 16.324, 314.626 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 44, 16.324, 314.626 by changing the saturation by 10% instead.


 44, 16.324,
314.626


 44, 16.324,
314.626


 100, 16.324,
314.626


 34, 16.324,
314.626

 64, 16.324,
314.626


 24, 16.324,
314.626

 74, 16.324,
314.626

 14, 16.324,
314.626


 84, 16.324,
314.626

 4, 16.324, 314.626

 94, 16.324,
314.626

 0, 16.324, 314.626

 44, 16.324,

 44, 16.324,

314.626

40, 24.581,
315.057

37, 32.873,
315.482

33, 41.052,
315.876

30, 48.899,
316.204

27, 56.101,
316.416

24, 62.261,
316.449

22, 66.955,
316.233

20, 70.590,
315.901

314.626

48, 8.186, 314.200

52, 0.224, 313.307

56, 7.537, 133.463

59, 15.085,
133.115

63, 22.417,
132.803

67, 29.537,
132.523

71, 36.452,
132.272

75, 43.171,
132.049

79, 49.704,

Harmonies

Complementary

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



44, 16.324, 314.626



50, 16.030, 132.953

Rectangle

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



44, 16.324, 314.626



44, 16.324, 4.626



44, 16.324, 134.626



44, 16.324, 184.626

Sweetspot

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



44, 16.323, 314.625



63, 5.907, 314.024



45, 9.967, 271.169



33, 3.951, 314.046



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



44, 16.323, 314.625



55, 24.078, 314.811



45, 16.376, 329.451



24, 4.452, 314.149



21, 71.253, 315.888



45, 120.395, 315.341

Inverse Universe

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



44, 11.729, 353.843



55, 17.333, 354.326



49, 16.339, 147.009



24, 3.181, 352.684



25, 50.197, 13.522



54, 85.325, 16.701

Previews

White Background



This preview shows how the CIELCh color 44, 16.324, 314.626 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 44, 16.324, 314.626 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 44, 16.324, 314.626

Background



This preview shows how black text looks on a background with the CIELCh color 44, 16.324, 314.626.



This preview shows how white text looks on a background with the CIELCh color 44, 16.324, 314.626.

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


44, 16.324, 314.626

Protanopia

44, 14.427, 286.299

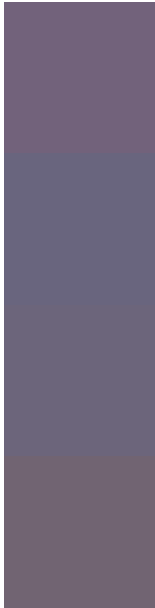
Deuteranopia

44, 12.674, 297.149



Tritanopia
44, 6.607, 333.792

Trichromacy



Original Color
44, 16.324, 314.626

Protanomaly
44, 15.119, 298.022

Deuteranomaly
44, 13.523, 303.517

Tritanomaly
44, 9.939, 323.079

Monochromacy



Original Color
44, 16.324, 314.626

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 5.938, 314.965

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 16.324, 314.626 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, 98, 123)` looks like.

```
.text, #text, p{  
    color:rgb(114, 98, 123)  
}
```

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, 98, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 98, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 16.324, 314.626 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, 98, 123) }
```

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

```
.border{ border-color:rgb(114, 98, 123) }
```

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

Here you see how a box with a 4 pixel rgb(114, 98, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 98, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 98, 123);  
box-shadow:4px 4px 4px 4px rgb(114, 98,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 16.324, 314.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 98, 123) }
```

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

```
.background{ background-color: rgb(114, 98,  
123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor