

Converting Colors

CIELCh(45, 23.444, 316.452)

Have a look what the booklet for
CIELCh(45, 23.444, 316.452)
contains.

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Color

CIELCh(45, 23.417, 315.776)

Conversions

Conversions Part 1

Format	Color
Hex	7A6286
RGB	122, 98, 134
RGB Percent	48%, 38%, 53%
CMY	0.5223, 0.6164, 0.4753
CMYK	0.09, 0.27, 0.00, 0.48
HSL	280°, 16%, 45%
HSV	280°, 27%, 52%
XYZ	16.6403, 14.5417, 24.4147
YIQ	109.2800, 2.7480, 16.2840

Conversions

Conversions Part 2

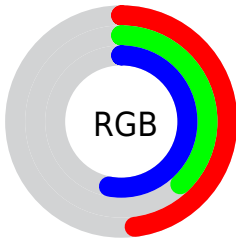
Format	Color
RYB	122, 98, 134
Decimal	8020614
CIELab	45.00, 16.78, -16.33
CIElCh	45, 23.417, 315.776
Yxy	14.5417, 0.2993, 0.2616
Android (android.graphics.Color)	4286210694 (0xFF7A6286)
YUV	109.2800, 12.1870, 11.1554
Hunter-Lab	38.1336, 11.1582, -11.2664

Details

The CIELCh color $45, 23.417, 315.776$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $53, 22.905, 133.478$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 23.230, 316.081$, and $25, 23.445, 316.213$ is the 20% darker color. If you saturate the color by 10%, you get $41, 32.303, 316.200$, and if you desaturate by 10%, it is $49, 14.581, 315.347$.

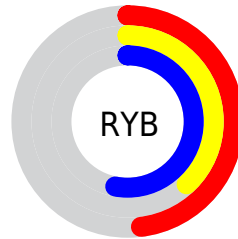
Distribution



Red (48%)

Green (38%)

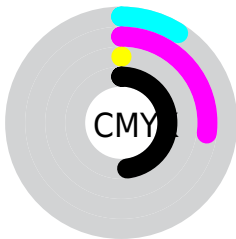
Blue (53%)



Red (48%)

Yellow (38%)

Blue (53%)

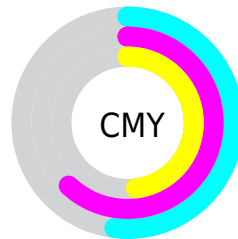


Cyan (9%)

Magenta (27%)

Yellow (0%)

Black (48%)



Cyan (52%)


Magenta (62%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 23.417, 315.776 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 45, 23.417, 315.776 by changing the saturation by 10% instead.


 45, 23.417,
315.776


 45, 23.417,
315.776


 100, 23.417,
315.776


 35, 23.417,
315.776

 65, 23.417,
315.776


 25, 23.417,
315.776


 75, 23.417,
315.776

 15, 23.417,
315.776

 85, 23.417,
315.776

 5, 23.417, 315.776

 95, 23.417,
315.776

 0, 23.417, 315.776

 45, 23.417,

 45, 23.417,

315.776

41, 32.303,
316.200

37, 41.100,
316.598

34, 49.587,
316.938

31, 57.450,
317.174

28, 64.283,
317.250

25, 69.639,
317.100

24, 73.385,
316.708

23, 74.521,
316.597

315.776

49, 14.581,
315.347

53, 5.889, 314.921

57, 2.610, 134.599

61, 10.890,
134.197

65, 18.939,
133.856

69, 26.757,
133.548

74, 34.348,
133.271

78, 41.720,
133.022

■ 82, 48.882,
132.800

Harmonies

Complementary

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



45, 23.417, 315.776



53, 22.905, 133.478

Rectangle

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



45, 23.417, 315.776



45, 23.417, 5.776



45, 23.417, 135.776



45, 23.417, 185.776

Sweetspot

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



45, 23.416, 315.776



67, 8.456, 314.976



46, 14.466, 273.683



34, 5.992, 315.033



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



45, 23.416, 315.776



55, 34.559, 316.024



46, 22.963, 330.414



26, 4.793, 315.016



22, 72.988, 316.625



0, 1.137, 314.666

Inverse Universe

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



45, 16.572, 356.415



56, 24.534, 357.166



52, 22.904, 146.988



26, 3.352, 354.452



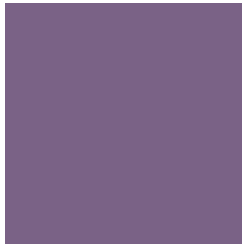
27, 52.083, 16.229



0, 0.790, 353.686

Previews

White Background



This preview shows how the CIELCh color 45, 23.417, 315.776 looks on a white background.

Color Contrast Check

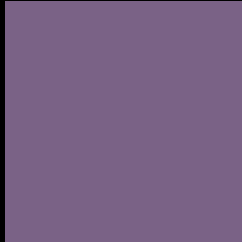
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 23.417, 315.776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

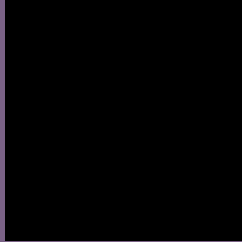
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 23.417, 315.776

Background



This preview shows how black text looks on a background with the CIELCh color 45, 23.417, 315.776.



This preview shows how white text looks on a background with the CIELCh color 45, 23.417, 315.776.

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

45, 23.417, 315.776

Protanopia

45, 20.372, 286.013

Deuteranopia

45, 17.333, 292.572



Tritanopia
45, 8.153, 344.715

Trichromacy



Original Color
45, 23.417, 315.776

Protanomaly
45, 21.063, 297.990

Deuteranomaly
45, 18.840, 301.793

Tritanomaly
45, 13.701, 325.263

Monochromacy



Original Color
45, 23.417, 315.776

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 8.579, 315.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 23.417, 315.776 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(122, 98, 134)` looks like.

```
.text, #text, p{  
    color:rgb(122, 98, 134)  
}
```

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(122, 98, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 98, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 23.417, 315.776 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(122, 98, 134) }
```

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

```
.border{ border-color:rgb(122, 98, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 98, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 98, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 98, 134);  
box-shadow:4px 4px 4px 4px rgb(122, 98,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 23.417, 315.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 98, 134) }
```

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

```
.background{ background-color: rgb(122, 98,  
134) }
```

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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