

Converting Colors

CIELCh(45, 23.770, 324.128)

Have a look what the booklet for
CIELCh(45, 23.770, 324.128)
contains.

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Color

CIELCh(45, 23.770, 324.128)

Conversions

Conversions Part 1

Format	Color
Hex	806082
RGB	128, 96, 130
RGB Percent	50%, 38%, 51%
CMY	0.4984, 0.6239, 0.4905
CMYK	0.02, 0.26, 0.00, 0.49
HSL	296°, 15%, 44%
HSV	296°, 26%, 51%
XYZ	17.0870, 14.5417, 22.9941
YIQ	109.4440, 8.1580, 17.3580

Conversions

Conversions Part 2

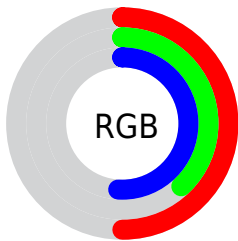
Format	Color
R_{YB}	128, 96, 130
Decimal	8413314
CIE _{Lab}	45.00, 19.26, -13.93
CIE _{LCh}	45, 23.770, 324.128
Yxy	14.5417, 0.3128, 0.2662
Android (android.graphics.Color)	4286603394 (0xFF806082)
YUV	109.4440, 10.1341, 16.2736
Hunter-Lab	38.1336, 13.2488, -9.0577

Details

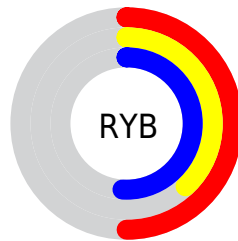
The CIELCh color $45, 23.770, 324.128$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $51, 23.693, 141.309$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 23.640, 323.933$, and $25, 24.030, 323.614$ is the 20% darker color. If you saturate the color by 10%, you get $42, 32.760, 324.598$, and if you desaturate by 10%, it is $48, 14.650, 323.637$.

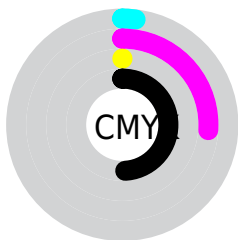
Distribution



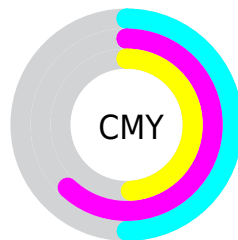
- Red (50%)
- Green (38%)
- Blue (51%)



- Red (50%)
- Yellow (38%)
- Blue (51%)



- Cyan (2%)
- Magenta (26%)
- Yellow (0%)
- Black (49%)




- Cyan (50%)
- Magenta (62%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 23.770, 324.128 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, 23.770, 324.128 by changing the saturation by 10% instead.


 45, 23.770,
324.128


 45, 23.770,
324.128


 100, 23.770,
324.128


 35, 23.770,
324.128

 65, 23.770,
324.128


 25, 23.770,
324.128

 75, 23.770,
324.128

 15, 23.770,
324.128

 85, 23.770,
324.128

 5, 23.770, 324.128

 95, 23.770,
324.128

 0, 23.770, 324.128

 45, 23.770,

 45, 23.770,

324.128

42, 32.760,
324.598

39, 41.413,
325.033

36, 49.454,
325.413

33, 56.554,
325.718

32, 62.375,
325.926

30, 66.636,
326.021

29, 69.347,
326.005

29, 70.290,
325.994

324.128

48, 14.650,
323.637

52, 5.557, 323.127

56, 3.411, 142.726


60, 12.188,
142.217

63, 20.739,
141.759

67, 29.044,
141.326

71, 37.099,
140.920

75, 44.906,
140.540

 79, 52.473,
140.186

Harmonies

Complementary

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



45, 23.770, 324.128



51, 23.693, 141.309

Rectangle

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



45, 23.770, 324.128



45, 23.770, 14.128



45, 23.770, 144.128



45, 23.770, 194.128

Sweetspot

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



45, 23.768, 324.128



65, 8.918, 323.233



43, 19.147, 290.470



33, 6.313, 323.301



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 23.768, 324.128



55, 34.766, 324.392



45, 17.959, 342.328



25, 5.010, 323.280



28, 69.346, 325.998



0, 0.000, 0.000

Inverse Universe

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



44, 14.764, 16.795



54, 21.996, 17.477



51, 17.566, 158.060



25, 2.956, 15.104



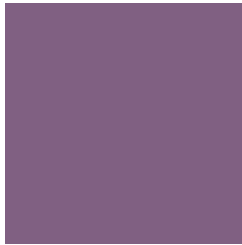
25, 59.390, 35.986



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 23.770, 324.128 looks on a white background.

Color Contrast Check

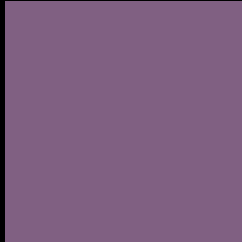
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 23.770, 324.128 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, 23.770, 324.128

Background



This preview shows how black text looks on a background with the CIELCh color 45, 23.770, 324.128.



This preview shows how white text looks on a background with the CIELCh color 45, 23.770, 324.128.

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, 23.770, 324.128

Protanopia

45, 18.579, 284.988

Deuteranopia

45, 14.384, 295.168



Tritanopia
45, 11.463, 356.500

Trichromacy



Original Color
45, 23.770, 324.128

Protanomaly
45, 19.427, 301.558

Deuteranomaly
45, 17.543, 308.833

Tritanomaly
45, 14.932, 338.832

Monochromacy



Original Color
45, 23.770, 324.128

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 9.165, 322.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 23.770, 324.128 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(128, 96, 130)` looks like.

```
.text, #text, p{  
    color:rgb(128, 96, 130)  
}
```

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(128, 96, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 96, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 23.770, 324.128 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(128, 96, 130) }
```

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

```
.border{ border-color:rgb(128, 96, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 96, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 96, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 96, 130);  
box-shadow:4px 4px 4px 4px rgb(128, 96,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 23.770, 324.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 96, 130) }
```

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

```
.background{ background-color: rgb(128, 96,  
130) }
```

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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