

Converting Colors

CIELCh(45, 23.332, 335.711)

Have a look what the booklet for
CIELCh(45, 23.332, 335.711)
contains.

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Color

CIELCh(45, 23.393, 335.306)

Conversions

Conversions Part 1

Format	Color
Hex	865E7B
RGB	134, 94, 123
RGB Percent	53%, 37%, 48%
CMY	0.4740, 0.6308, 0.5171
CMYK	0.00, 0.30, 0.08, 0.47
HSL	317°, 18%, 45%
HSV	317°, 30%, 53%
XYZ	17.4514, 14.5417, 20.6702
YIQ	109.2660, 14.5310, 17.4990

Conversions

Conversions Part 2

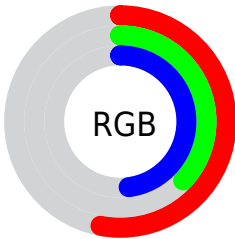
Format	Color
R_{YB}	134, 94, 123
Decimal	8806011
CIE Lab	45.00, 21.25, -9.77
CIE LCh	45, 23.393, 335.306
Yxy	14.5417, 0.3314, 0.2761
Android (android.graphics.Color)	4286996091 (0xFF865E7B)
YUV	109.2660, 6.7709, 21.6917
Hunter-Lab	38.1336, 14.9548, -5.4444

Details

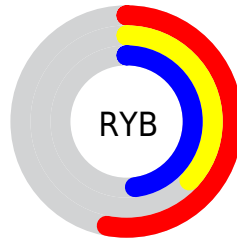
The CIELCh color $45, 23.393, 335.306$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $52, 23.191, 151.027$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 23.181, 335.981$, and $25, 23.413, 336.009$ is the 20% darker color. If you saturate the color by 10%, you get $42, 31.078, 336.066$, and if you desaturate by 10%, it is $49, 15.528, 334.588$.

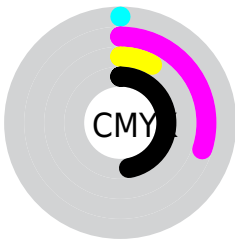
Distribution



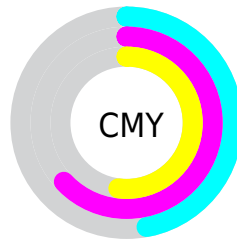
- Red (53%)
- Green (37%)
- Blue (48%)



- Red (53%)
- Yellow (37%)
- Blue (48%)



- Cyan (0%)
- Magenta (30%)
- Yellow (8%)
- Black (47%)





- Cyan (47%)
- Magenta (63%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 23.393, 335.306 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, 23.393, 335.306 by changing the saturation by 10% instead.

 45, 23.393,
335.306


 45, 23.393,
335.306


 100, 23.393,
335.306


 35, 23.393,
335.306

 65, 23.393,
335.306


 25, 23.393,
335.306

 75, 23.393,
335.306

 15, 23.393,
335.306

 85, 23.393,
335.306

 5, 23.393, 335.306

 95, 23.393,
335.306

 0, 23.393, 335.306

 45, 23.393,

 45, 23.393,

335.306

42, 31.078,
336.066

39, 38.360,
336.878

36, 44.941,
337.756

33, 50.477,
338.728

32, 54.629,
339.830

30, 57.153,
341.115

29, 58.480,
342.559

29, 58.503,
342.585

335.306

49, 15.528,
334.588

52, 7.652, 333.896

56, 0.130, 155.183

60, 7.750, 152.714

64, 15.172,
152.124

68, 22.378,
151.576

72, 29.364,
151.061

76, 36.135,
150.576

80, 42.700,

Harmonies

Complementary

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



45, 23.393, 335.306



52, 23.191, 151.027

Rectangle

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



45, 23.393, 335.306



45, 23.393, 25.306



45, 23.393, 155.306



45, 23.393, 205.306

Sweetspot

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



45, 23.391, 335.307



67, 8.642, 333.853



42, 24.573, 302.617



34, 5.985, 333.940



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, 23.391, 335.307



55, 34.729, 335.831



44, 17.834, 3.931



26, 4.349, 333.847



28, 57.239, 342.529



0, 1.034, 333.294

Inverse Universe

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



45, 23.391, 335.307



55, 34.729, 335.831



53, 16.019, 178.001



26, 4.349, 333.847



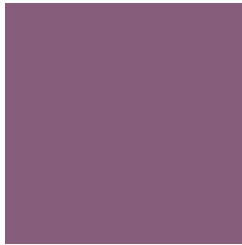
28, 57.239, 342.529



0, 1.034, 333.294

Previews

White Background



This preview shows how the CIELCh color 45, 23.393, 335.306 looks on a white background.

Color Contrast Check

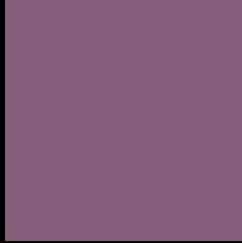
Large Text (above 18pt) WCAG AA ✓ Pass

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, 23.393, 335.306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

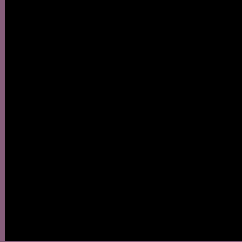
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 23.393, 335.306

Background



This preview shows how black text looks on a background with the CIELCh color 45, 23.393, 335.306.



This preview shows how white text looks on a background with the CIELCh color 45, 23.393, 335.306.

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, 23.393, 335.306

Protanopia

45, 14.978, 285.185

Deuteranopia

45, 10.464, 304.519



Tritanopia
45, 15.528, 3.838

Trichromacy



Original Color
45, 23.393, 335.306

Protanomaly
45, 16.171, 307.343

Deuteranomaly
45, 15.193, 321.476

Tritanomaly
45, 17.949, 350.087

Monochromacy



Original Color
45, 23.393, 335.306

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 8.267, 334.452

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 23.393, 335.306 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(134, 94, 123)` looks like.

```
.text, #text, p{  
    color:rgb(134, 94, 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(134, 94, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 94, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 23.393, 335.306 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(134, 94, 123) }
```

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

```
.border{ border-color:rgb(134, 94, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 94, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 94, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 94, 123);  
box-shadow:4px 4px 4px 4px rgb(134, 94,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 23.393, 335.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 94, 123) }
```

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

```
.background{ background-color: rgb(134, 94,  
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](#).

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