

Converting Colors

CIELCh(45, 23.057, 340.369)

Have a look what the booklet for
CIELCh(45, 23.057, 340.369)
contains.

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Color

CIELCh(45, 22.797, 340.146)

Conversions

Conversions Part 1

Format	Color
Hex	885E78
RGB	136, 94, 120
RGB Percent	53%, 37%, 47%
CMY	0.4674, 0.6321, 0.5302
CMYK	0.00, 0.31, 0.12, 0.47
HSL	323°, 18%, 45%
HSV	323°, 31%, 53%
XYZ	17.4861, 14.5417, 19.5940
YIQ	109.5220, 16.6860, 16.9900

Conversions

Conversions Part 2

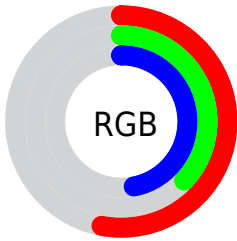
Format	Color
R_{YB}	136, 94, 120
Decimal	8937080
CIE _{Lab}	45.00, 21.44, -7.74
CIE _{LCh}	45, 22.797, 340.146
Yxy	14.5417, 0.3387, 0.2817
Android (android.graphics.Color)	4287127160 (0xFF885E78)
YUV	109.5220, 5.1657, 23.2212
Hunter-Lab	38.1336, 15.1172, -3.7712

Details

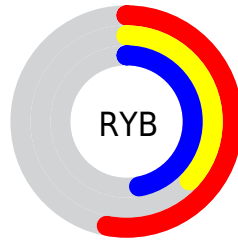
The CIELCh color $45, 22.797, 340.146$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $53, 22.372, 155.196$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 22.651, 340.501$, and $25, 22.864, 339.314$ is the 20% darker color. If you saturate the color by 10%, you get $42, 30.051, 341.079$, and if you desaturate by 10%, it is $49, 15.383, 339.297$.

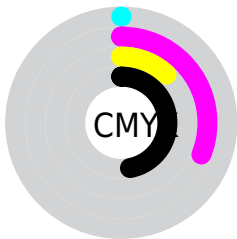
Distribution



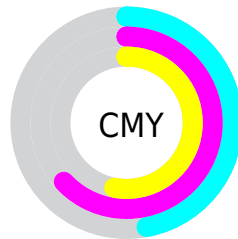
- Red (53%)
- Green (37%)
- Blue (47%)



- Red (53%)
- Yellow (37%)
- Blue (47%)



- Cyan (0%)
- Magenta (31%)
- Yellow (12%)
- Black (47%)



- Cyan (47%)
- Magenta (63%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 22.797, 340.146 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, 22.797, 340.146 by changing the saturation by 10% instead.

 45, 22.797,
340.146


 45, 22.797,
340.146


 100, 22.797,
340.146


 35, 22.797,
340.146

 65, 22.797,
340.146


 25, 22.797,
340.146

 75, 22.797,
340.146

 15, 22.797,
340.146

 85, 22.797,
340.146

 5, 22.797, 340.146

 95, 22.797,
340.146

 0, 22.797, 340.146

 45, 22.797,

 45, 22.797,

340.146

42, 30.051,
341.079

38, 36.924,
342.118

36, 43.120,
343.302

33, 48.292,
344.686

31, 52.106,
346.347

30, 54.335,
348.382

29, 55.463,
350.485

340.146

49, 15.383,
339.297

52, 7.972, 338.504

56, 0.667, 337.407

60, 6.472, 157.191

64, 13.410,
156.544

68, 20.134,
155.952

72, 26.643,
155.400

76, 32.944,
154.884

80, 39.046,

Harmonies

Complementary

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



45, 22.797, 340.146



53, 22.372, 155.196

Rectangle

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



45, 22.797, 340.146



45, 22.797, 30.146



45, 22.797, 160.146



45, 22.797, 210.146

Sweetspot

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



45, 22.795, 340.147



68, 8.109, 338.370



43, 26.043, 306.073



35, 5.686, 338.470



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



45, 22.795, 340.147



55, 33.645, 340.779



44, 18.385, 11.652



27, 4.162, 338.367



28, 54.536, 350.415



0, 1.916, 337.750

Inverse Universe

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



45, 22.795, 340.147



55, 33.645, 340.779



54, 15.811, 185.964



27, 4.162, 338.367



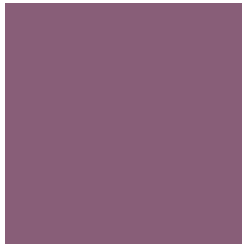
28, 54.536, 350.415



0, 1.916, 337.750

Previews

White Background



This preview shows how the CIELCh color 45, 22.797, 340.146 looks on a white background.

Color Contrast Check

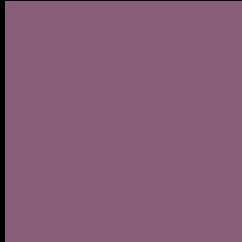
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.797, 340.146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

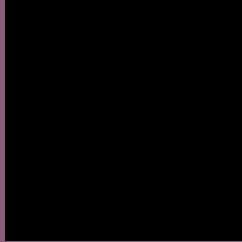
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 22.797, 340.146

Background



This preview shows how black text looks on a background with the CIELCh color 45, 22.797, 340.146.



This preview shows how white text looks on a background with the CIELCh color 45, 22.797, 340.146.

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, 22.797, 340.146

Protanopia

45, 13.174, 285.489

Deuteranopia

45, 8.985, 311.996



Tritanopia
45, 16.247, 6.936

Trichromacy



Original Color
45, 22.797, 340.146

Protanomaly
45, 14.579, 310.620

Deuteranomaly
45, 14.154, 328.073

Tritanomaly
45, 18.187, 354.936

Monochromacy



Original Color
45, 22.797, 340.146

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 8.866, 338.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 22.797, 340.146 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(136, 94, 120)` looks like.

```
.text, #text, p{  
    color:rgb(136, 94, 120)  
}
```

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(136, 94, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 94, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 22.797, 340.146 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(136, 94, 120) }
```

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

```
.border{ border-color:rgb(136, 94, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 94, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 94, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 94, 120);  
box-shadow:4px 4px 4px 4px rgb(136, 94,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 22.797, 340.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 94, 120) }
```

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

```
.background{ background-color: rgb(136, 94,  
120) }
```

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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