

Converting Colors

CIELCh(45, 41.582, 341.789)

Have a look what the booklet for
CIELCh(45, 41.582, 341.789)
contains.

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Color

CIELCh(45, 41.654, 341.819)

Conversions

Conversions Part 1

Format	Color
Hex	9F4F81
RGB	159, 79, 129
RGB Percent	62%, 31%, 51%
CMY	0.3766, 0.6903, 0.4942
CMYK	0.00, 0.50, 0.19, 0.38
HSL	323°, 34%, 47%
HSV	323°, 50%, 62%
XYZ	21.0488, 14.5417, 22.4587
YIQ	108.6200, 31.6300, 32.5100

Conversions

Conversions Part 2

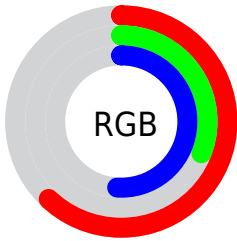
Format	Color
R_{YB}	159, 79, 129
Decimal	10440577
CIE _{Lab}	45.00, 39.57, -13.00
CIE _{LCh}	45, 41.654, 341.819
Yxy	14.5417, 0.3626, 0.2505
Android (android.graphics.Color)	4288630657 (0xFF9F4F81)
YUV	108.6200, 10.0473, 44.1833
Hunter-Lab	38.1336, 31.7940, -8.2251

Details

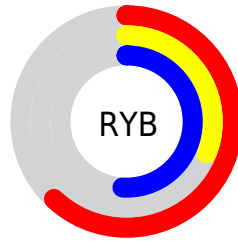
The CIELCh color $45, 41.654, 341.819$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $59, 40.803, 152.643$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 41.431, 341.638$, and $25, 41.704, 341.524$ is the 20% darker color. If you saturate the color by 10%, you get $42, 48.700, 343.005$, and if you desaturate by 10%, it is $49, 33.812, 340.779$.

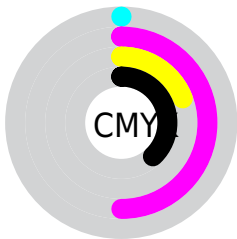
Distribution



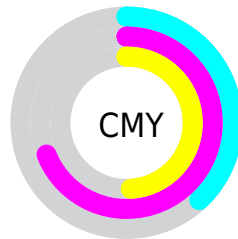
- Red (62%)
- Green (31%)
- Blue (51%)



- Red (62%)
- Yellow (31%)
- Blue (51%)



- Cyan (0%)
- Magenta (50%)
- Yellow (19%)
- Black (38%)





- Cyan (38%)
- Magenta (69%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 41.654, 341.819 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, 41.654, 341.819 by changing the saturation by 10% instead.


 45, 41.654,
341.819


 45, 41.654,
341.819


 100, 41.654,
341.819


 35, 41.654,
341.819

 65, 41.654,
341.819


 25, 41.654,
341.819

 75, 41.654,
341.819

 15, 41.654,
341.819

 85, 41.654,
341.819

 5, 41.654, 341.819

 95, 41.654,
341.819

 0, 41.654, 341.819

 45, 41.654,

 45, 41.654,

341.819

341.819

42, 48.700,
343.005

49, 33.812,
340.779

39, 54.554,
344.391

53, 25.528,
339.846

37, 58.823,
346.056

57, 17.064,
338.993

35, 61.250,
348.099

61, 8.604, 338.197

35, 62.248,
350.426

65, 0.269, 336.372

70, 7.872, 156.877

74, 15.780,
156.229

79, 23.442,
155.636

83, 30.855,

Harmonies

Complementary

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



45, 41.654, 341.819



59, 40.803, 152.643

Rectangle

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



45, 41.654, 341.819



45, 41.654, 31.819



45, 41.654, 161.819



45, 41.654, 211.819

Sweetspot

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



45, 41.652, 341.820



75, 15.542, 338.588



40, 49.440, 307.512



39, 10.702, 338.746



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 41.652, 341.820



54, 59.794, 343.110



44, 35.470, 15.129



31, 4.689, 338.112



31, 57.646, 350.148



1, 5.945, 338.967

Inverse Universe

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



45, 41.652, 341.820



54, 59.794, 343.110



60, 27.281, 184.153



31, 4.689, 338.112



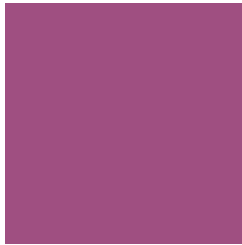
31, 57.646, 350.148



1, 5.945, 338.967

Previews

White Background



This preview shows how the CIELCh color 45, 41.654, 341.819 looks on a white background.

Color Contrast Check

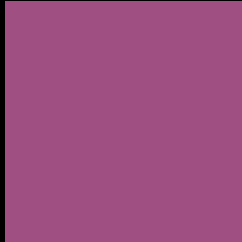
Large Text (above 18pt) WCAG AA ✓ Pass

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, 41.654, 341.819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

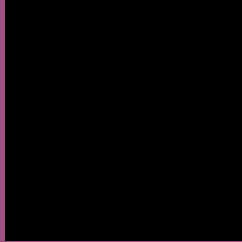
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 41.654, 341.819

Background



This preview shows how black text looks on a background with the CIELCh color 45, 41.654, 341.819.



This preview shows how white text looks on a background with the CIELCh color 45, 41.654, 341.819.

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, 41.654, 341.819

Protanopia

45, 25.197, 284.385

Deuteranopia

45, 12.731, 300.576



Tritanopia
45, 30.064, 17.230

Trichromacy



Original Color
45, 41.654, 341.819

Protanomaly
44, 28.219, 310.212

Deuteranomaly
45, 22.361, 326.620

Tritanomaly
45, 32.442, 1.325

Monochromacy



Original Color
45, 41.654, 341.819

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 15.927, 339.366

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 41.654, 341.819 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(159, 79, 129)` looks like.

```
.text, #text, p{  
    color:rgb(159, 79, 129)  
}
```

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(159, 79, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 79, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 41.654, 341.819 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(159, 79, 129) }
```

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

```
.border{ border-color:rgb(159, 79, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 79, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 79, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 79, 129);  
box-shadow:4px 4px 4px 4px rgb(159, 79,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 41.654, 341.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 79, 129) }
```

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

```
.background{ background-color: rgb(159, 79,  
129) }
```

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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