

Converting Colors

CIELCh(45, 63.270, 339.081)

Have a look what the booklet for
CIELCh(45, 63.270, 339.081)
contains.

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Color

CIELCh(45, 63.227, 339.119)

Conversions

Conversions Part 1

Format	Color
Hex	B43791
RGB	180, 55, 145
RGB Percent	71%, 22%, 57%
CMY	0.2931, 0.7833, 0.4305
CMYK	0.00, 0.69, 0.19, 0.29
HSL	317°, 53%, 46%
HSV	317°, 69%, 71%
XYZ	25.3874, 14.5417, 28.3483
YIQ	102.6350, 45.6100, 54.4900

Conversions

Conversions Part 2

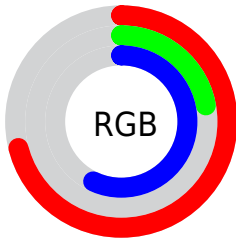
Format	Color
R_{YB}	180, 55, 145
Decimal	11810705
CIE _{Lab}	45.00, 59.07, -22.54
CIE _{LCh}	45, 63.227, 339.119
Yxy	14.5417, 0.3718, 0.2130
Android (android.graphics.Color)	4290000785 (0xFFB43791)
YUV	102.6350, 20.8859, 67.8491
Hunter-Lab	38.1336, 52.1023, -17.3824

Details

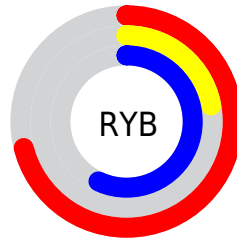
The CIELCh color **45, 63.227, 339.119** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **65, 64.502, 146.077**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 63.050, 339.248**, and **27, 56.528, 339.892** is the 20% darker color. If you saturate the color by 10%, you get **43, 68.224, 340.295**, and if you desaturate by 10%, it is **48, 56.375, 338.093**.

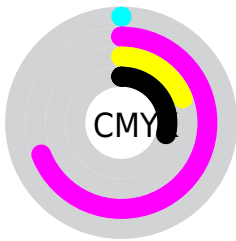
Distribution



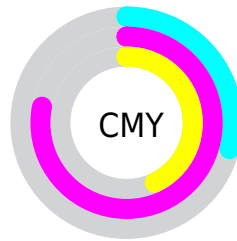
- Red (71%)
- Green (22%)
- Blue (57%)



- Red (71%)
- Yellow (22%)
- Blue (57%)



- Cyan (0%)
- Magenta (69%)
- Yellow (19%)
- Black (29%)





- Cyan (29%)
- Magenta (78%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 63.227, 339.119 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, 63.227, 339.119 by changing the saturation by 10% instead.


 45, 63.227,
339.119


 45, 63.227,
339.119


 100, 63.227,
339.119


 35, 63.227,
339.119

 65, 63.227,
339.119


 25, 63.227,
339.119

 75, 63.227,
339.119

 15, 63.227,
339.119

 85, 63.227,
339.119

 5, 63.227, 339.119

 95, 63.227,
339.119

 0, 63.227, 339.119

 45, 63.227,

 45, 63.227,

339.119

43, 68.224,
340.295

41, 71.076,
341.681

40, 72.040,
343.306

40, 72.090,
343.416

339.119

48, 56.375,
338.093

51, 48.120,
337.172

55, 38.924,
336.327

60, 29.185,
335.540

64, 19.212,
334.797

69, 9.223, 334.084

74, 0.639, 153.941

79, 10.287,
152.867

■ 84, 19.673,
152.266

Harmonies

Complementary

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



45, 63.227, 339.119



65, 64.502, 146.077

Rectangle

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



45, 63.227, 339.119



45, 63.227, 29.119



45, 63.227, 159.119



45, 63.227, 209.119

Sweetspot

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



45, 63.224, 339.119



81, 25.864, 334.944



34, 76.248, 306.520



41, 17.502, 335.143



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



45, 63.224, 339.119



54, 85.207, 340.968



43, 53.568, 12.796



35, 5.549, 334.082



34, 64.031, 343.164



2, 12.408, 337.724

Inverse Universe

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



45, 63.224, 339.119



54, 85.207, 340.968



66, 41.275, 173.001



35, 5.549, 334.082



34, 64.031, 343.164



2, 12.408, 337.724

Previews

White Background



This preview shows how the CIELCh color 45, 63.227, 339.119 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, 63.227, 339.119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

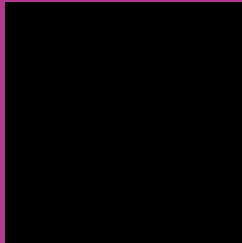
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 63.227, 339.119

Background



This preview shows how black text looks on a background with the CIELCh color 45, 63.227, 339.119.



This preview shows how white text looks on a background with the CIELCh color 45, 63.227, 339.119.

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](#).

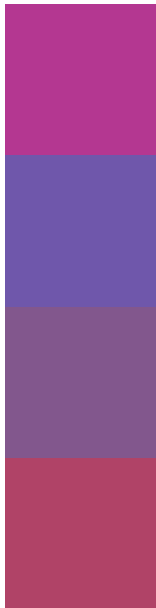
Dichromacy





Tritanopia
45, 44.945, 23.118

Trichromacy



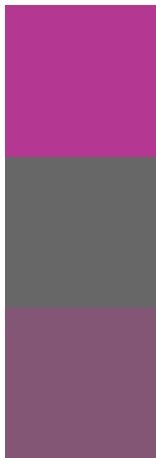
Original Color
45, 63.227, 339.119

Protanomaly
43, 50.988, 305.031

Deuteranomaly
43, 35.885, 320.327

Tritanomaly
45, 47.725, 3.009

Monochromacy



Original Color
45, 63.227, 339.119

Achromatopsia
44, 0.006, 296.813

Achromatomaly
42, 26.142, 336.225

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 63.227, 339.119 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(180, 55, 145)` looks like.

```
.text, #text, p{  
    color:rgb(180, 55, 145)  
}
```

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(180, 55, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 55, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 63.227, 339.119 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(180, 55, 145) }
```

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

```
.border{ border-color:rgb(180, 55, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 55, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 55, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 55, 145);  
box-shadow:4px 4px 4px 4px rgb(180, 55,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 63.227, 339.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 55, 145) }
```

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

```
.background{ background-color: rgb(180, 55,  
145) }
```

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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