

Converting Colors

CIELCh(45, 59.057, 327.247)

Have a look what the booklet for
CIELCh(45, 59.057, 327.247)
contains.

CIELCh(45, 59.075, 327.243)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 59.075, 327.243)

Conversions

Conversions Part 1

Format	Color
Hex	A147A1
RGB	161, 71, 161
RGB Percent	63%, 28%, 63%
CMY	0.3704, 0.7232, 0.3703
CMYK	0.00, 0.56, 0.00, 0.37
HSL	300°, 39%, 45%
HSV	300°, 56%, 63%
XYZ	23.2297, 14.5417, 35.1018
YIQ	108.1700, 24.7500, 47.0700

Conversions

Conversions Part 2

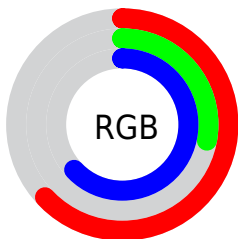
Format	Color
R_{YB}	161, 71, 161
Decimal	10569633
CIE _{Lab}	45.00, 49.68, -31.96
CIE _{LCh}	45, 59.075, 327.243
Yxy	14.5417, 0.3188, 0.1995
Android (android.graphics.Color)	4288759713 (0xFFA147A1)
YUV	108.1700, 26.0452, 46.3319
Hunter-Lab	38.1336, 42.0023, -27.8827

Details

The CIELCh color $45, 59.075, 327.243$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $59, 59.534, 139.796$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 58.995, 327.338$, and $25, 59.102, 327.358$ is the 20% darker color. If you saturate the color by 10%, you get $42, 67.236, 327.605$, and if you desaturate by 10%, it is $48, 49.649, 326.815$.

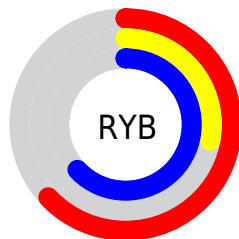
Distribution



Red (63%)

Green (28%)

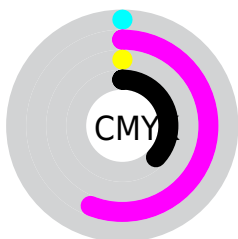
Blue (63%)



Red (63%)

Yellow (28%)

Blue (63%)

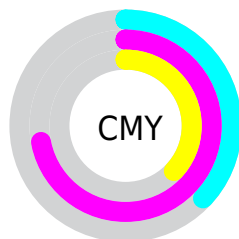


Cyan (0%)

Magenta (56%)

Yellow (0%)

Black (37%)



Cyan (37%)


Magenta (72%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 59.075, 327.243 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, 59.075, 327.243 by changing the saturation by 10% instead.


 45, 59.075,
327.243


 45, 59.075,
327.243


 100, 59.075,
327.243


 35, 59.075,
327.243

 65, 59.075,
327.243


 25, 59.075,
327.243

 75, 59.075,
327.243

 15, 59.075,
327.243

 85, 59.075,
327.243

 5, 59.075, 327.243

 95, 59.075,
327.243

 0, 59.075, 327.243

 45, 59.075,

 45, 59.075,

327.243

42, 67.236,
327.605

40, 73.745,
327.887

39, 78.322,
328.082

38, 80.953,
328.192

38, 81.776,
328.226

327.243

48, 49.649,
326.815

52, 39.368,
326.336

55, 28.588,
325.822

59, 17.594,
325.286

63, 6.595, 324.728

68, 4.268, 144.280

72, 14.901,
143.724

77, 25.252,
143.216

■ 81, 35.293,
142.735

Harmonies

Complementary

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



45, 59.075, 327.243



59, 59.534, 139.796

Rectangle

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



45, 59.075, 327.243



45, 59.075, 17.243



45, 59.075, 147.243



45, 59.075, 197.243

Sweetspot

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



45, 59.073, 327.243



75, 23.125, 325.355



35, 54.800, 297.943



38, 15.443, 325.455



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, 59.073, 327.243



54, 83.767, 327.675



43, 43.449, 348.758



31, 6.104, 324.911



34, 75.047, 328.226



1, 7.944, 324.433

Inverse Universe

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



42, 41.649, 26.225



50, 63.172, 29.496



60, 41.371, 156.815



31, 3.534, 19.886



29, 67.086, 39.155



1, 4.473, 19.392

Previews

White Background



This preview shows how the CIELCh color 45, 59.075, 327.243 looks on a white background.

Color Contrast Check

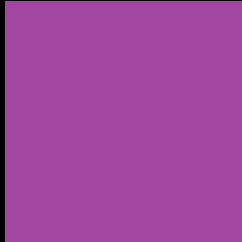
Large Text (above 18pt) WCAG AA ✓ Pass

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, 59.075, 327.243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

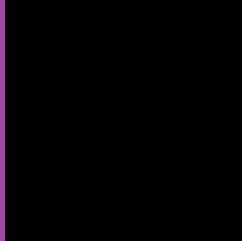
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 59.075, 327.243

Background



This preview shows how black text looks on a background with the CIELCh color 45, 59.075, 327.243.



This preview shows how white text looks on a background with the CIELCh color 45, 59.075, 327.243.

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, 59.075, 327.243

Protanopia

45, 51.351, 286.646

Deuteranopia

45, 28.929, 282.563



Tritanopia
45, 28.658, 15.495

Trichromacy



Original Color
45, 59.075, 327.243

Protanomaly
44, 52.141, 299.814

Deuteranomaly
44, 38.526, 305.706

Tritanomaly
45, 36.122, 348.496

Monochromacy



Original Color
45, 59.075, 327.243

Achromatopsia
46, 0.006, 296.813

Achromatomaly
44, 23.548, 325.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 59.075, 327.243 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(161, 71, 161)` looks like.

```
.text, #text, p{  
    color:rgb(161, 71, 161)  
}
```

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(161, 71, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 71, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 59.075, 327.243 is called "border". The border property can be set on classes, ids or directly on the HTML element.

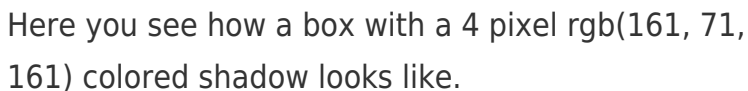
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(161, 71, 161) }
```

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

```
.border{ border-color:rgb(161, 71, 161) }
```

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



Here you see how a box with a 4 pixel `rgb(161, 71, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 71, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 71, 161);  
box-shadow:4px 4px 4px 4px rgb(161, 71,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 59.075, 327.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 71, 161) }
```

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

```
.background{ background-color: rgb(161, 71,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor