

Converting Colors

CIELCh(45, 59.326, 330.081)

Have a look what the booklet for
CIELCh(45, 59.326, 330.081)
contains.

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Color

CIELCh(45, 59.454, 329.994)

Conversions

Conversions Part 1

Format	Color
Hex	A5449D
RGB	165, 68, 157
RGB Percent	65%, 27%, 62%
CMY	0.3533, 0.7337, 0.3847
CMYK	0.00, 0.59, 0.05, 0.35
HSL	305°, 42%, 46%
HSV	305°, 59%, 65%
XYZ	23.6344, 14.5417, 33.4158
YIQ	107.1490, 29.2430, 48.2430

Conversions

Conversions Part 2

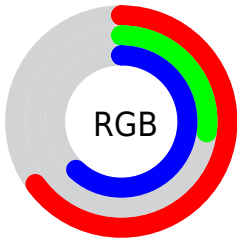
Format	Color
R_{YB}	165, 68, 157
Decimal	10831005
CIE _{Lab}	45.00, 51.49, -29.73
CIE _{LCh}	45, 59.454, 329.994
Yxy	14.5417, 0.3301, 0.2031
Android (android.graphics.Color)	4289021085 (0xFFA5449D)
YUV	107.1490, 24.5765, 50.7353
Hunter-Lab	38.1336, 43.8968, -25.2613

Details

The CIELCh color $45, 59.454, 329.994$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $60, 60.199, 141.564$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 59.721, 329.893$, and $25, 59.442, 330.016$ is the 20% darker color. If you saturate the color by 10%, you get $42, 66.883, 330.478$, and if you desaturate by 10%, it is $48, 50.646, 329.476$.

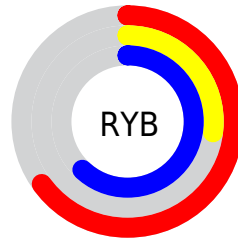
Distribution



Red (65%)

Green (27%)

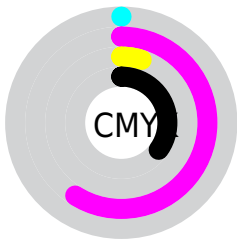
Blue (62%)



Red (65%)

Yellow (27%)

Blue (62%)

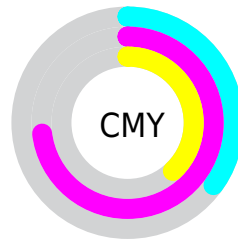


Cyan (0%)

Magenta (59%)

Yellow (5%)

Black (35%)



Cyan (35%)


Magenta (73%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 59.454, 329.994 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, 59.454, 329.994 by changing the saturation by 10% instead.


 45, 59.454,
329.994


 45, 59.454,
329.994


 100, 59.454,
329.994


 35, 59.454,
329.994

 65, 59.454,
329.994


 25, 59.454,
329.994

 75, 59.454,
329.994

 15, 59.454,
329.994

 85, 59.454,
329.994

 5, 59.454, 329.994

 95, 59.454,
329.994

 0, 59.454, 329.994

 45, 59.454,

 45, 59.454,

329.994

■ 42, 66.883,
330.478

■ 40, 72.545,
330.925

■ 39, 76.181,
331.339

■ 38, 78.023,
331.733

■ 38, 78.214,
331.778

329.994

■ 48, 50.646,
329.476

■ 52, 40.889,
328.930

■ 55, 30.558,
328.367

■ 60, 19.958,
327.794

■ 64, 9.312, 327.214

■ 68, 1.228, 146.879

■ 73, 11.563,
146.162

■ 77, 21.637,
145.631

■ 82, 31.419,
145.129

Harmonies

Complementary

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



45, 59.454, 329.994



60, 60.199, 141.564

Rectangle

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



45, 59.454, 329.994



45, 59.454, 19.994



45, 59.454, 149.994



45, 59.454, 199.994

Sweetspot

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



45, 59.452, 329.994



76, 23.616, 327.766



35, 60.059, 300.564



39, 16.390, 327.926



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



45, 59.452, 329.994



54, 83.921, 330.638



43, 44.586, 354.742



32, 5.924, 327.240



33, 71.347, 331.738



1, 9.013, 327.490

Inverse Universe

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



45, 59.452, 329.994



54, 83.921, 330.638



61, 40.914, 160.844



32, 5.924, 327.240



33, 71.347, 331.738



1, 9.013, 327.490

Previews

White Background



This preview shows how the CIELCh color 45, 59.454, 329.994 looks on a white background.

Color Contrast Check

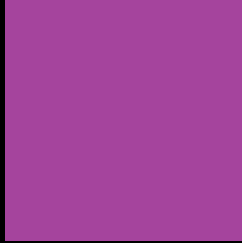
Large Text (above 18pt) WCAG AA ✓ Pass

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, 59.454, 329.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

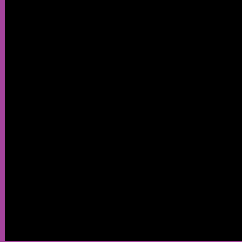
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 59.454, 329.994

Background



This preview shows how black text looks on a background with the CIELCh color 45, 59.454, 329.994.

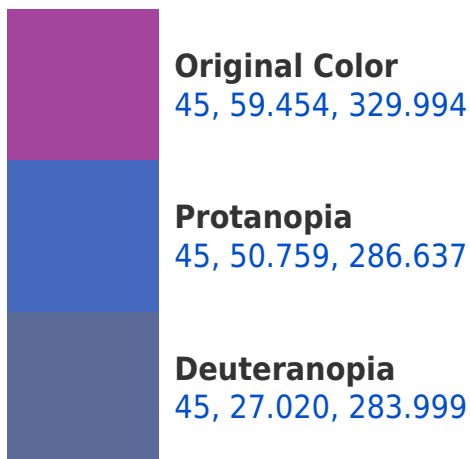


This preview shows how white text looks on a background with the CIELCh color 45, 59.454, 329.994.

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, 32.303, 17.107

Trichromacy



Original Color
45, 59.454, 329.994

Protanomaly
44, 51.658, 300.797

Deuteranomaly
44, 37.797, 309.168

Tritanomaly
45, 38.675, 352.110

Monochromacy



Original Color
45, 59.454, 329.994

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 23.529, 328.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 59.454, 329.994 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(165, 68, 157)` looks like.

```
.text, #text, p{  
    color:rgb(165, 68, 157)  
}
```

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(165, 68, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 68, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 59.454, 329.994 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(165, 68, 157) }
```

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

```
.border{ border-color:rgb(165, 68, 157) }
```

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

Here you see how a box with a 4 pixel rgb(165, 68, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 68, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 68, 157);  
box-shadow:4px 4px 4px 4px rgb(165, 68,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 59.454, 329.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 68, 157) }
```

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

```
.background{ background-color: rgb(165, 68,  
157) }
```

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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