

Converting Colors

CIELCh(45, 47.614, 354.244)

Have a look what the booklet for
CIELCh(45, 47.614, 354.244)
contains.

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Color

CIELCh(45, 47.859, 354.109)

Conversions

Conversions Part 1

Format	Color
Hex	AE4574
RGB	174, 69, 116
RGB Percent	68%, 27%, 45%
CMY	0.3172, 0.7290, 0.5447
CMYK	0.00, 0.60, 0.33, 0.32
HSL	333°, 43%, 48%
HSV	333°, 60%, 68%
XYZ	22.7703, 14.5417, 18.1572
YIQ	105.7530, 47.4930, 36.8770

Conversions

Conversions Part 2

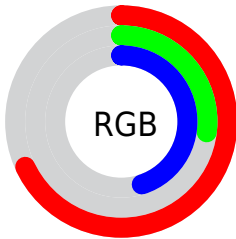
Format	Color
R_{YB}	174, 69, 116
Decimal	11421044
CIE _{Lab}	45.00, 47.61, -4.91
CIE _{LCh}	45, 47.859, 354.109
Yxy	14.5417, 0.4105, 0.2622
Android (android.graphics.Color)	4289611124 (0xFFAE4574)
YUV	105.7530, 5.0518, 59.8526
Hunter-Lab	38.1336, 39.8522, -1.5372

Details

The CIELCh color $45, 47.859, 354.109$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $64, 44.211, 159.772$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 47.873, 353.909$, and $25, 47.836, 354.202$ is the 20% darker color. If you saturate the color by 10%, you get $42, 53.974, 356.346$, and if you desaturate by 10%, it is $49, 40.666, 352.301$.

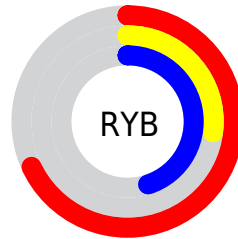
Distribution



Red (68%)

Green (27%)

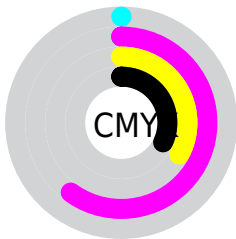
Blue (45%)



Red (68%)

Yellow (27%)

Blue (45%)

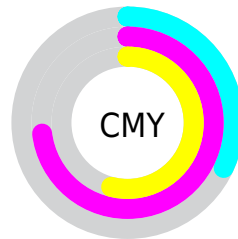


Cyan (0%)

Magenta (60%)

Yellow (33%)

Black (32%)



Cyan (32%)


Magenta (73%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 47.859, 354.109 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, 47.859, 354.109 by changing the saturation by 10% instead.


 45, 47.859,
354.109


 45, 47.859,
354.109


 100, 47.859,
354.109


 35, 47.859,
354.109

 65, 47.859,
354.109


 25, 47.859,
354.109

 75, 47.859,
354.109

 15, 47.859,
354.109

 85, 47.859,
354.109

 5, 47.859, 354.109

 95, 47.859,
354.109

 0, 47.859, 354.109

 45, 47.859,

 45, 47.859,

354.109

354.109

42, 53.974,
356.346

49, 40.666,
352.301

40, 58.640,
359.159

53, 32.808,
350.802

38, 61.649, 2.718

57, 24.624,
349.529

37, 63.415, 6.821

61, 16.368,
348.421

66, 8.208, 347.428

71, 0.249, 345.066

76, 7.458, 165.876

81, 14.887,
165.136

86, 22.037,

Harmonies

Complementary

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



45, 47.859, 354.109



64, 44.211, 159.772

Rectangle

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



45, 47.859, 354.109



45, 47.859, 44.109



45, 47.859, 174.109



45, 47.859, 224.109

Sweetspot

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



45, 47.856, 354.110



80, 17.957, 348.216



41, 64.449, 313.540



41, 12.617, 348.513



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



45, 47.856, 354.110



54, 67.682, 357.112



45, 46.748, 30.165



34, 4.486, 347.331



32, 56.953, 6.203



2, 8.882, 351.613

Inverse Universe

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



45, 47.856, 354.110



54, 67.682, 357.112



64, 29.374, 202.813



34, 4.486, 347.331



32, 56.953, 6.203



2, 8.882, 351.613

Previews

White Background



This preview shows how the CIELCh color 45, 47.859, 354.109 looks on a white background.

Color Contrast Check

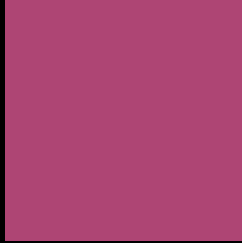
Large Text (above 18pt) WCAG AA ✓ Pass

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, 47.859, 354.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

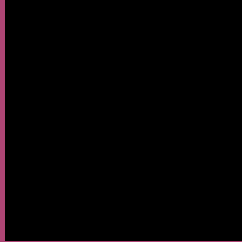
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 47.859, 354.109

Background



This preview shows how black text looks on a background with the CIELCh color 45, 47.859, 354.109.

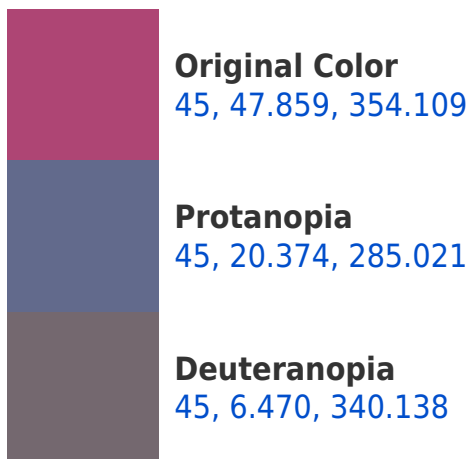


This preview shows how white text looks on a background with the CIELCh color 45, 47.859, 354.109.

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, 42.142, 22.251

Trichromacy



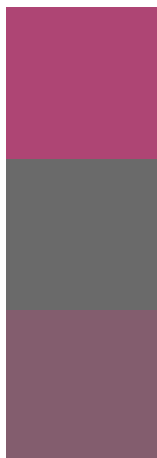
Original Color
45, 47.859, 354.109

Protanomaly
44, 26.033, 322.121

Deuteranomaly
44, 22.844, 347.989

Tritanomaly
45, 42.875, 11.380

Monochromacy



Original Color
45, 47.859, 354.109

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 18.655, 349.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 47.859, 354.109 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(174, 69, 116)` looks like.

```
.text, #text, p{  
    color:rgb(174, 69, 116)  
}
```

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(174, 69, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 69, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 47.859, 354.109 is called "border". The border property can be set on classes, ids or directly on the HTML element.

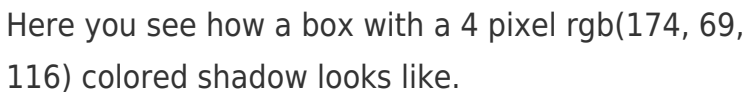
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(174, 69, 116) }
```

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

```
.border{ border-color:rgb(174, 69, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(174, 69, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 69, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 69, 116); box-shadow:4px 4px 4px 4px rgb(174, 69, 116) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 47.859, 354.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 69, 116) }
```

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

```
.background{ background-color: rgb(174, 69,  
116) }
```

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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