

Converting Colors

CIELCh(45, 48.667, 337.060)

Have a look what the booklet for
CIELCh(45, 48.667, 337.060)
contains.

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Color

CIELCh(45, 48.857, 337.124)

Conversions

Conversions Part 1

Format	Color
Hex	A34A8B
RGB	163, 74, 139
RGB Percent	64%, 29%, 55%
CMY	0.3609, 0.7099, 0.4550
CMYK	0.00, 0.55, 0.15, 0.36
HSL	316°, 38%, 46%
HSV	316°, 55%, 64%
XYZ	22.2049, 14.5417, 26.0536
YIQ	108.0210, 32.1790, 39.0830

Conversions

Conversions Part 2

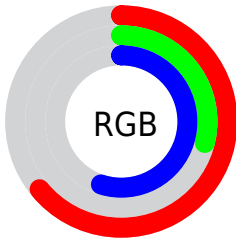
Format	Color
RYB	163, 74, 139
Decimal	10701451
CIELab	45.00, 45.01, -18.99
CIELCh	45, 48.857, 337.124
Yxy	14.5417, 0.3536, 0.2316
Android (android.graphics.Color)	4288891531 (0xFFA34A8B)
YUV	108.0210, 15.2726, 48.2166
Hunter-Lab	38.1336, 37.2055, -13.8145

Details

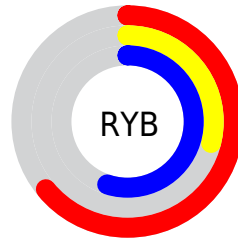
The CIELCh color $45, 48.857, 337.124$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $60, 48.799, 147.957$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 49.262, 336.963$, and $25, 49.024, 337.164$ is the 20% darker color. If you saturate the color by 10%, you get $42, 55.933, 338.053$, and if you desaturate by 10%, it is $48, 40.706, 336.275$.

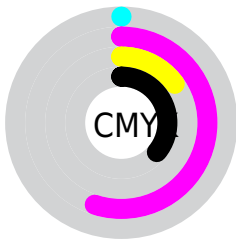
Distribution



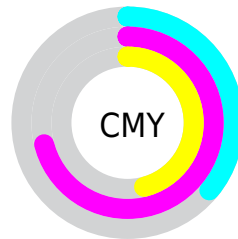
- Red (64%)
- Green (29%)
- Blue (55%)



- Red (64%)
- Yellow (29%)
- Blue (55%)



- Cyan (0%)
- Magenta (55%)
- Yellow (15%)
- Black (36%)



- Cyan (36%)
- Magenta (71%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 48.857, 337.124 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, 48.857, 337.124 by changing the saturation by 10% instead.

 45, 48.857,
337.124

 45, 48.857,
337.124


 100, 48.857,
337.124

 35, 48.857,
337.124

 65, 48.857,
337.124

 25, 48.857,
337.124

 75, 48.857,
337.124

 15, 48.857,
337.124

 85, 48.857,
337.124

 5, 48.857, 337.124

 95, 48.857,
337.124

 0, 48.857, 337.124

 45, 48.857,

 45, 48.857,

337.124

42, 55.933,
338.053

40, 61.516,
339.094

38, 65.248,
340.293

37, 66.976,
341.711

36, 67.483,
342.531

337.124

48, 40.706,
336.275

52, 31.885,
335.484

56, 22.715,
334.738


61, 13.434,
334.028

65, 4.208, 333.318

69, 4.860, 152.813

74, 13.708,
152.179

79, 22.306,
151.607

 83, 30.642,
151.071

Harmonies

Complementary

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



45, 48.857, 337.124



60, 48.799, 147.957

Rectangle

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



45, 48.857, 337.124



45, 48.857, 27.124



45, 48.857, 157.124



45, 48.857, 207.124

Sweetspot

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



45, 48.855, 337.124



76, 18.221, 334.146



38, 54.825, 305.007



39, 12.412, 334.283



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, 48.855, 337.124



54, 69.903, 338.313



44, 39.336, 8.503



32, 5.190, 333.657



32, 62.159, 342.355



1, 7.709, 335.308

Inverse Universe

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



45, 48.855, 337.124



54, 69.903, 338.313



61, 31.965, 175.103



32, 5.190, 333.657



32, 62.159, 342.355



1, 7.709, 335.308

Previews

White Background



This preview shows how the CIELCh color 45, 48.857, 337.124 looks on a white background.

Color Contrast Check

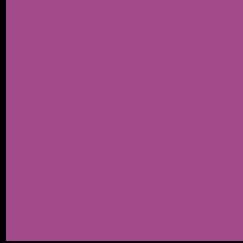
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.857, 337.124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

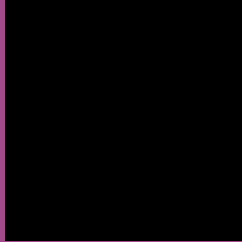
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 48.857, 337.124

Background



This preview shows how black text looks on a background with the CIELCh color 45, 48.857, 337.124.

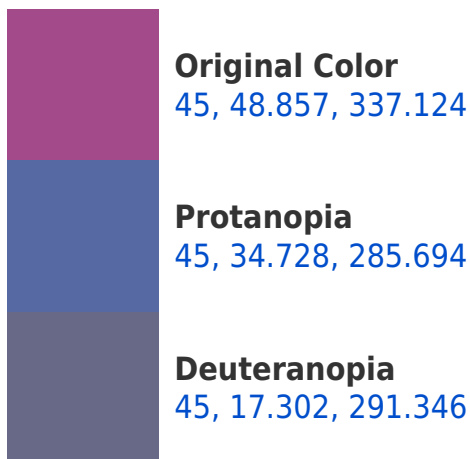


This preview shows how white text looks on a background with the CIELCh color 45, 48.857, 337.124.

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, 32.366, 18.139

Trichromacy



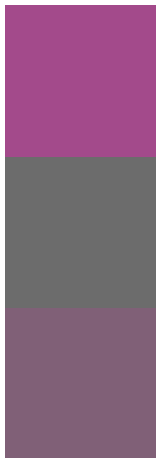
Original Color
45, 48.857, 337.124

Protanomaly
44, 36.755, 306.126

Deuteranomaly
44, 27.732, 318.210

Tritanomaly
45, 35.798, 359.330

Monochromacy



Original Color
45, 48.857, 337.124

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 18.789, 335.201

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 48.857, 337.124 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(163, 74, 139)` looks like.

```
.text, #text, p{  
    color:rgb(163, 74, 139)  
}
```

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(163, 74, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 74, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 48.857, 337.124 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(163, 74, 139) }
```

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

```
.border{ border-color:rgb(163, 74, 139) }
```

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

Here you see how a box with a 4 pixel rgb(163, 74, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 74, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 74, 139);  
box-shadow:4px 4px 4px 4px rgb(163, 74,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 48.857, 337.124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 74, 139) }
```

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

```
.background{ background-color: rgb(163, 74,  
139) }
```

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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