

Converting Colors

CIELCh(45, 48.766, 347.002)

Have a look what the booklet for
CIELCh(45, 48.766, 347.002)
contains.

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Color

CIELCh(45, 48.758, 346.953)

Conversions

Conversions Part 1

Format	Color
Hex	AB467E
RGB	171, 70, 126
RGB Percent	67%, 27%, 49%
CMY	0.3295, 0.7255, 0.5059
CMYK	0.00, 0.59, 0.26, 0.33
HSL	327°, 42%, 47%
HSV	327°, 59%, 67%
XYZ	22.7468, 14.5417, 21.3432
YIQ	106.5830, 42.2200, 38.8280

Conversions

Conversions Part 2

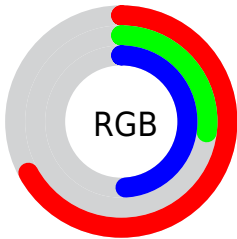
Format	Color
R_{YB}	171, 70, 126
Decimal	11224702
CIE _{Lab}	45.00, 47.50, -11.01
CIE _{LCh}	45, 48.758, 346.953
Yxy	14.5417, 0.3880, 0.2480
Android (android.graphics.Color)	4289414782 (0xFFAB467E)
YUV	106.5830, 9.5726, 56.4937
Hunter-Lab	38.1336, 39.7421, -6.4908

Details

The CIELCh color $45, 48.758, 346.953$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $63, 47.086, 154.494$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 48.919, 346.823$, and $25, 48.769, 346.719$ is the 20% darker color. If you saturate the color by 10%, you get $42, 54.964, 348.631$, and if you desaturate by 10%, it is $49, 41.390, 345.555$.

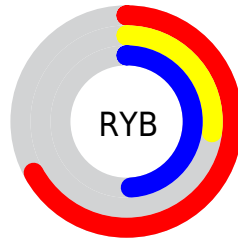
Distribution



Red (67%)

Green (27%)

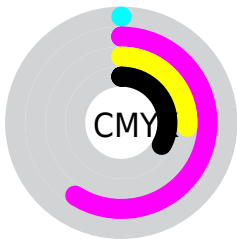
Blue (49%)



Red (67%)

Yellow (27%)

Blue (49%)

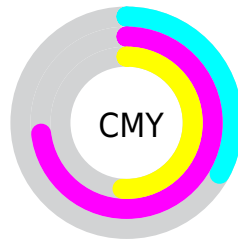


Cyan (0%)

Magenta (59%)

Yellow (26%)

Black (33%)



Cyan (33%)


Magenta (73%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 48.758, 346.953 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, 48.758, 346.953 by changing the saturation by 10% instead.


 45, 48.758,
346.953


 45, 48.758,
346.953


 100, 48.758,
346.953


 35, 48.758,
346.953

 65, 48.758,
346.953


 25, 48.758,
346.953

 75, 48.758,
346.953

 15, 48.758,
346.953

 85, 48.758,
346.953

 5, 48.758, 346.953

 95, 48.758,
346.953

 0, 48.758, 346.953

 45, 48.758,

 45, 48.758,

346.953

42, 54.964,
348.631

40, 59.603,
350.691

38, 62.393,
353.268

37, 63.597,
356.403

37, 63.702,
356.703

346.953

49, 41.390,
345.555

52, 33.288,
344.356

57, 24.799,
343.304

61, 16.186,
342.361

66, 7.626, 341.491

70, 0.770, 161.209

75, 8.940, 160.089

80, 16.853,
159.412

85, 24.501,

Harmonies

Complementary

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



45, 48.758, 346.953



63, 47.086, 154.494

Rectangle

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



45, 48.758, 346.953



45, 48.758, 36.953



45, 48.758, 166.953



45, 48.758, 216.953

Sweetspot

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



45, 48.755, 346.954



78, 18.877, 342.294



39, 62.025, 310.068



40, 13.250, 342.551



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



45, 48.755, 346.954



53, 68.778, 349.241



44, 45.401, 22.303



34, 4.819, 341.512



32, 58.067, 356.293



2, 9.444, 345.871

Inverse Universe

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



45, 48.755, 346.954



53, 68.778, 349.241



64, 31.179, 189.834



34, 4.819, 341.512



32, 58.067, 356.293



2, 9.444, 345.871

Previews

White Background



This preview shows how the CIELCh color 45, 48.758, 346.953 looks on a white background.

Color Contrast Check

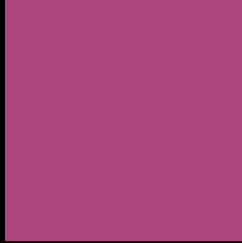
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.758, 346.953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

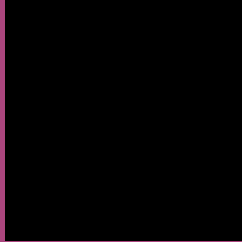
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 48.758, 346.953

Background



This preview shows how black text looks on a background with the CIELCh color 45, 48.758, 346.953.

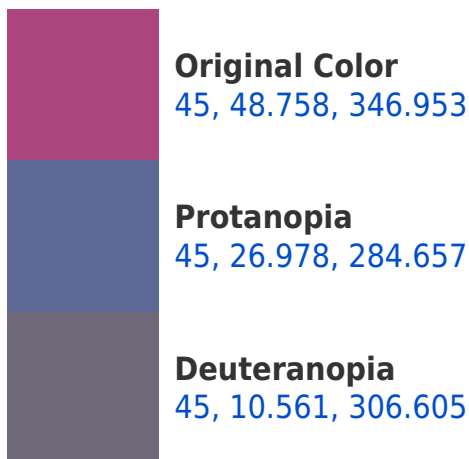


This preview shows how white text looks on a background with the CIELCh color 45, 48.758, 346.953.

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, 39.281, 20.596

Trichromacy



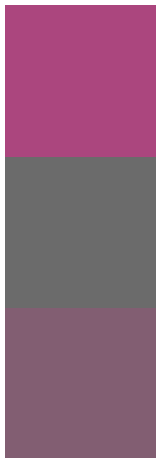
Original Color
45, 48.758, 346.953

Protanomaly
44, 31.164, 313.046

Deuteranomaly
44, 24.526, 334.117

Tritanomaly
45, 40.531, 6.475

Monochromacy



Original Color
45, 48.758, 346.953

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 18.890, 343.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 48.758, 346.953 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(171, 70, 126)` looks like.

```
.text, #text, p{  
    color:rgb(171, 70, 126)  
}
```

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(171, 70, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 70, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 48.758, 346.953 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(171, 70, 126) }
```

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

```
.border{ border-color:rgb(171, 70, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 70, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 70, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 70, 126); box-shadow:4px 4px 4px 4px rgb(171, 70, 126) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 48.758, 346.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 70, 126) }
```

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

```
.background{ background-color: rgb(171, 70,  
126) }
```

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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