

# Converting Colors

CIELCh(46, 66.294, 326.407)

Have a look what the booklet for  
CIELCh(46, 66.294, 326.407)  
contains.

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**Color**

**CIELCh(46, 66.166, 326.545)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A843AB
RGB	168, 67, 171
RGB Percent	66%, 26%, 67%
CMY	0.3413, 0.7374, 0.3296
CMYK	0.02, 0.61, 0.00, 0.33
HSL	298°, 44%, 47%
HSV	298°, 61%, 67%
XYZ	25.4915, 15.2687, 40.1115
YIQ	109.0550, 26.8120, 53.7560

# Conversions

## Conversions Part 2

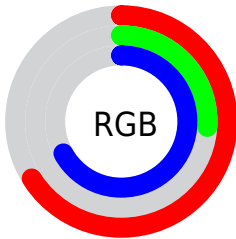
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 67, 171
Decimal	11027371
CIE <sub>Lab</sub>	46.00, 55.20, -36.48
CIE <sub>LCh</sub>	46, 66.166, 326.545
Yxy	15.2687, 0.3152, 0.1888
Android (android.graphics.Color)	4289217451 (0xFFA843AB)
YUV	109.0550, 30.5389, 51.6948
Hunter-Lab	39.0751, 48.0667, -33.5099

# Details

The CIELCh color **46, 66.166, 326.545** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **62, 66.664, 138.740**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 66.400, 326.619**, and **26, 65.525, 326.631** is the 20% darker color. If you saturate the color by 10%, you get **43, 74.001, 326.832**, and if you desaturate by 10%, it is **49, 56.812, 326.174**.

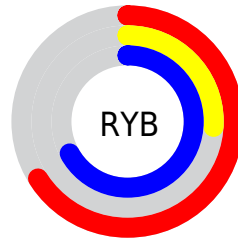
# Distribution



Red (66%)

Green (26%)

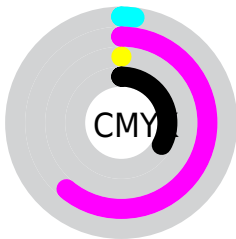
Blue (67%)



Red (66%)

Yellow (26%)

Blue (67%)

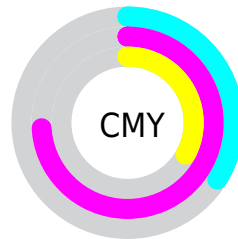


Cyan (2%)

Magenta (61%)

Yellow (0%)

Black (33%)



Cyan (34%)

Magenta (74%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 66.166, 326.545 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 46, 66.166, 326.545 by changing the saturation by 10% instead.





 46, 66.166,  
326.545


 46, 66.166,  
326.545


 100, 66.166,  
326.545


 36, 66.166,  
326.545

 66, 66.166,  
326.545


 26, 66.166,  
326.545

 76, 66.166,  
326.545

 16, 66.166,  
326.545

 86, 66.166,  
326.545

 6, 66.166, 326.545

 96, 66.166,  
326.545


 0, 66.166, 326.545


 46, 66.166,


 46, 66.166,

326.545


 43, 74.001,  
326.832


 42, 79.933,  
327.021


 40, 83.742,  
327.102

 40, 85.760,  
327.103


326.545

 49, 56.812,  
326.174


 53, 46.387,  
325.738


 57, 35.295,  
325.257

 61, 23.870,  
324.746

 65, 12.363,  
324.218

 70, 0.948, 323.481

 74, 10.262,  
143.229

 79, 21.198,  
142.725

■ 84, 31.822,  
142.251

# Harmonies

# Complementary

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



46, 66.166, 326.545



62, 66.664, 138.740

# Rectangle

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



46, 66.166, 326.545



46, 66.166, 16.545



46, 66.166, 146.545



46, 66.166, 196.545

# Sweetspot

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



46, 66.164, 326.545



78, 25.482, 324.615



35, 62.023, 298.470



40, 17.861, 324.763



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



46, 66.164, 326.545



55, 92.657, 326.909



44, 49.396, 348.534



34, 6.532, 324.136



35, 78.064, 327.114



2, 13.669, 323.303



# Inverse Universe

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



43, 47.530, 25.489



51, 71.532, 29.695



63, 47.405, 155.228



34, 3.817, 17.573



31, 68.932, 38.290



2, 7.810, 17.446



# Previews

## White Background



This preview shows how the CIELCh color 46, 66.166, 326.545 looks on a white background.

## Color Contrast Check

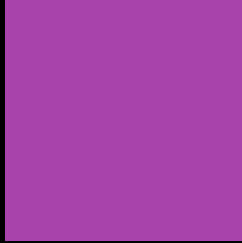
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 66.166, 326.545 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

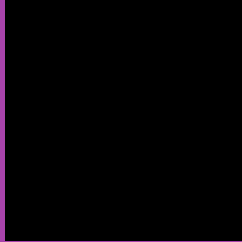
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 46, 66.166, 326.545

## Background



This preview shows how black text looks on a background with the CIELCh color 46, 66.166, 326.545.

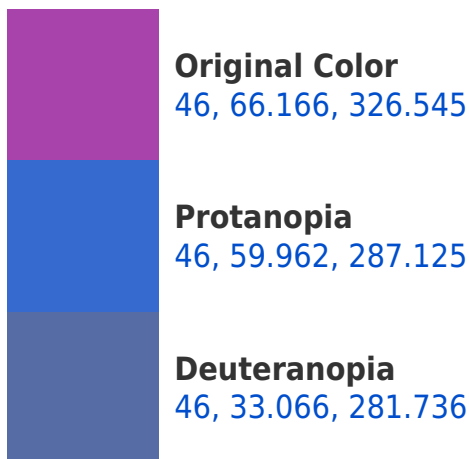


This preview shows how white text looks on a background with the CIELCh color 46, 66.166, 326.545.

# 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**  
46, 30.831, 17.466

# Trichromacy



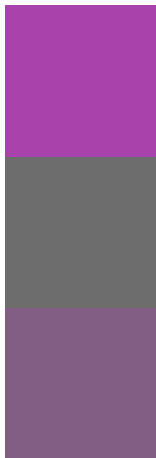
**Original Color**  
46, 66.166, 326.545

**Protanomaly**  
44, 60.733, 298.651

**Deuteranomaly**  
45, 44.173, 304.577

**Tritanomaly**  
46, 39.519, 347.757

# Monochromacy



**Original Color**  
46, 66.166, 326.545

**Achromatopsia**  
46, 0.006, 296.813

**Achromatomaly**  
45, 26.532, 324.437

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 46, 66.166, 326.545 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(168, 67, 171)` looks like.

```
.text, #text, p{  
    color:rgb(168, 67, 171)  
}
```

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(168, 67, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 67, 171) }
```

## Border

The CSS property to change the border of an element to CIELCh 46, 66.166, 326.545 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(168, 67, 171) }
```

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

```
.border{ border-color:rgb(168, 67, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 67, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 67, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 67, 171);  
box-shadow:4px 4px 4px 4px rgb(168, 67,  
171) }
```

# Background

The CSS property to change the background color of an element to CIELCh 46, 66.166, 326.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 67, 171) }
```

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

```
.background{ background-color: rgb(168, 67,  
171) }
```

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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