

# Converting Colors

CIELCh(43, 52.926, 335.605)

Have a look what the booklet for  
CIELCh(43, 52.926, 335.605)  
contains.

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**Color**

**CIELCh(43, 53.296, 335.364)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A0418B
RGB	160, 65, 139
RGB Percent	63%, 25%, 55%
CMY	0.3719, 0.7445, 0.4543
CMYK	0.00, 0.59, 0.13, 0.37
HSL	313°, 42%, 44%
HSV	313°, 59%, 63%
XYZ	21.1010, 13.1578, 25.9126
YIQ	101.8410, 32.8660, 43.1540

# Conversions

## Conversions Part 2

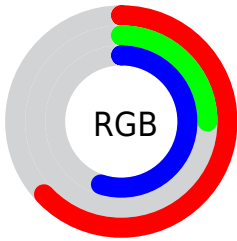
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	160, 65, 139
Decimal	10502539
CIE <sub>Lab</sub>	43.00, 48.44, -22.22
CIE <sub>LCh</sub>	43, 53.296, 335.364
Yxy	13.1578, 0.3507, 0.2187
Android (android.graphics.Color)	4288692619 (0xFFA0418B)
YUV	101.8410, 18.3194, 51.0054
Hunter-Lab	36.2736, 40.3576, -16.9632

# Details

The CIELCh color  $43, 53.296, 335.364$  is a dark color, and the websafe version is hex  $993399$ . A complement of this color would be  $59, 53.755, 145.657$ , and the grayscale version is  $43, 0.006, 296.813$ .

A 20% lighter version of the original color is  $63, 53.364, 335.269$ , and  $23, 53.540, 335.411$  is the 20% darker color. If you saturate the color by 10%, you get  $40, 59.835, 336.187$ , and if you desaturate by 10%, it is  $46, 45.472, 334.595$ .

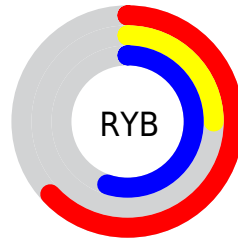
# Distribution



Red (63%)

Green (25%)

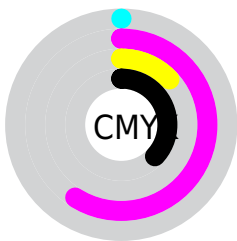
Blue (55%)



Red (63%)

Yellow (25%)

Blue (55%)

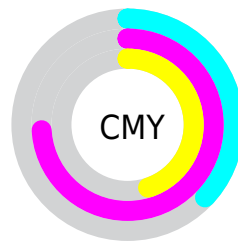


Cyan (0%)

Magenta (59%)

Yellow (13%)

Black (37%)



Cyan (37%)

Magenta (74%)


Yellow (45%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 53.296, 335.364 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 43, 53.296, 335.364 by changing the saturation by 10% instead.





 43, 53.296,  
335.364


 43, 53.296,  
335.364


 100, 53.296,  
335.364

 33, 53.296,  
335.364

 63, 53.296,  
335.364


 23, 53.296,  
335.364

 73, 53.296,  
335.364

 13, 53.296,  
335.364

 83, 53.296,  
335.364

 3, 53.296, 335.364

 93, 53.296,  
335.364

 0, 53.296, 335.364

 43, 53.296,

 43, 53.296,

335.364

335.364

40, 59.835,  
336.187

46, 45.472,  
334.595

38, 64.699,  
337.087

50, 36.784,  
333.864

37, 67.612,  
338.102

54, 27.588,  
333.162

36, 68.861,  
339.244

58, 18.164,  
332.486

36, 68.937,  
339.323

62, 8.715, 331.826

66, 0.626, 151.666

71, 9.777, 150.678

75, 18.690,  
150.105

80, 27.343,



# Harmonies

# Complementary

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



43, 53.296, 335.364



59, 53.755, 145.657

# Rectangle

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



43, 53.296, 335.364



43, 53.296, 25.364



43, 53.296, 155.364



43, 53.296, 205.364

# Sweetspot

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



43, 53.294, 335.364



74, 21.023, 332.421



35, 59.009, 304.189



38, 14.592, 332.605



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



43, 53.294, 335.364



52, 74.985, 336.451



41, 42.219, 5.810



31, 5.233, 331.820



32, 63.480, 339.189



1, 6.640, 332.522



# Inverse Universe

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



43, 53.294, 335.364



52, 74.985, 336.451



60, 35.125, 170.620



31, 5.233, 331.820



32, 63.480, 339.189



1, 6.640, 332.522



# Previews

## White Background



This preview shows how the CIELCh color 43, 53.296, 335.364 looks on a white background.

## Color Contrast Check

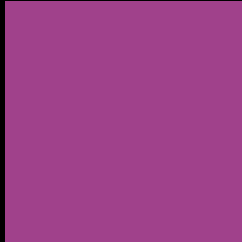
Large Text (above 18pt) WCAG AA ✓ Pass

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 43, 53.296, 335.364 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

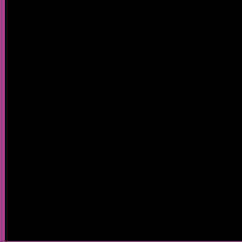
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 43, 53.296, 335.364

## Background



This preview shows how black text looks on a background with the CIELCh color 43, 53.296, 335.364.

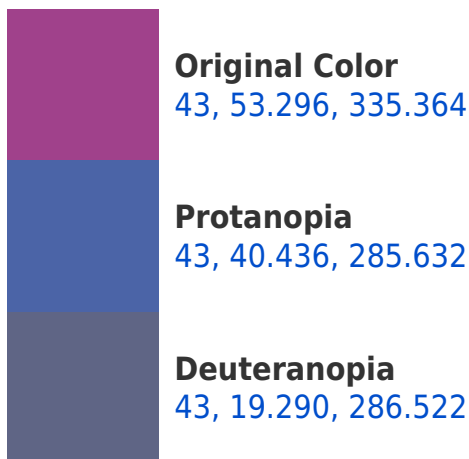


This preview shows how white text looks on a background with the CIELCh color 43, 53.296, 335.364.

# 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**  
43, 34.037, 18.935

# Trichromacy



**Original Color**  
43, 53.296, 335.364

**Protanomaly**  
42, 42.846, 304.140

**Deuteranomaly**  
42, 30.638, 315.889

**Tritanomaly**  
43, 38.042, 357.722

# Monochromacy



**Original Color**  
43, 53.296, 335.364

**Achromatopsia**  
43, 0.006, 296.813

**Achromatomaly**  
42, 21.189, 332.430

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 43, 53.296, 335.364 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(160, 65, 139)` looks like.

```
.text, #text, p{  
    color:rgb(160, 65, 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(160, 65, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 65, 139) }
```

## Border

The CSS property to change the border of an element to CIELCh 43, 53.296, 335.364 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(160, 65, 139) }
```

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

```
.border{ border-color:rgb(160, 65, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 65, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 65, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 65, 139);  
box-shadow:4px 4px 4px 4px rgb(160, 65,  
139) }
```

# Background

The CSS property to change the background color of an element to CIELCh 43, 53.296, 335.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 65, 139) }
```

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

```
.background{ background-color: rgb(160, 65,  
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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