

Converting Colors

CIELCh(51, 41.545, 335.333)

Have a look what the booklet for
CIELCh(51, 41.545, 335.333)
contains.

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Color

CIELCh(51, 41.903, 335.082)

Conversions

Conversions Part 1

Format	Color
Hex	AA6098
RGB	170, 96, 152
RGB Percent	67%, 38%, 60%
CMY	0.3322, 0.6225, 0.4028
CMYK	0.00, 0.43, 0.11, 0.33
HSL	315°, 30%, 52%
HSV	315°, 43%, 67%
XYZ	26.5373, 19.2686, 32.1445
YIQ	124.5100, 26.1280, 33.1040

Conversions

Conversions Part 2

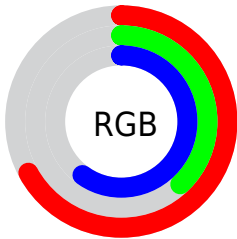
Format	Color
R_{YB}	170, 96, 152
Decimal	11165848
CIE _{Lab}	51.00, 38.00, -17.65
CIE _{LCh}	51, 41.903, 335.082
Yxy	19.2686, 0.3404, 0.2472
Android (android.graphics.Color)	4289355928 (0xFFAA6098)
YUV	124.5100, 13.5526, 39.8947
Hunter-Lab	43.8960, 31.0938, -12.6902

Details

The CIELCh color $51, 41.903, 335.082$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $64, 41.695, 148.388$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 42.073, 335.400$, and $31, 41.925, 335.010$ is the 20% darker color. If you saturate the color by 10%, you get $47, 50.567, 335.875$, and if you desaturate by 10%, it is $55, 32.556, 334.334$.

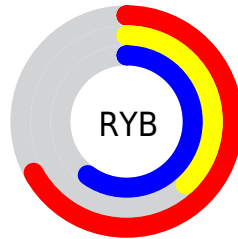
Distribution



Red (67%)

Green (38%)

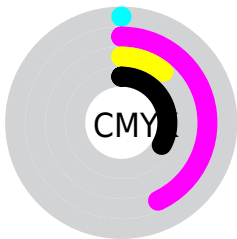
Blue (60%)



Red (67%)

Yellow (38%)

Blue (60%)

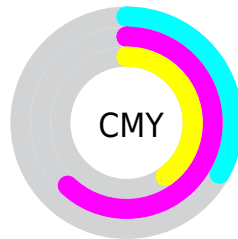


Cyan (0%)

Magenta (43%)

Yellow (11%)

Black (33%)



Cyan (33%)


Magenta (62%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 41.903, 335.082 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 51, 41.903, 335.082 by changing the saturation by 10% instead.


 51, 41.903,
335.082


 51, 41.903,
335.082


 100, 41.903,
335.082


 41, 41.903,
335.082


 71, 41.903,
335.082

 31, 41.903,
335.082

 81, 41.903,
335.082

 21, 41.903,
335.082

 91, 41.903,
335.082

 11, 41.903,
335.082

 1, 41.903, 335.082

 0, 41.903, 335.082

51, 41.903,
335.082

51, 41.903,
335.082

47, 50.567,
335.875

55, 32.556,
334.334

44, 58.143,
336.727

59, 22.864,
333.620

42, 64.187,
337.662

64, 13.071,
332.933

40, 68.316,
338.718

68, 3.343, 332.225

39, 70.344,
339.944

73, 6.212, 151.742

38, 70.936,
340.820

77, 15.534,
151.131

82, 24.591,
150.571

87, 33.372,
150.045

■ 92, 41.879,
149.549

Harmonies

Complementary

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



51, 41.903, 335.082



64, 41.695, 148.388

Rectangle

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



51, 41.903, 335.082



51, 41.903, 25.082



51, 41.903, 155.082



51, 41.903, 205.082

Sweetspot

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



51, 41.901, 335.082



81, 15.645, 332.918



45, 44.495, 302.893



42, 11.049, 333.064



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



51, 41.901, 335.082



61, 61.066, 335.832



50, 32.466, 3.739



33, 5.425, 332.649



33, 64.079, 340.638



2, 9.361, 334.767

Inverse Universe

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



51, 41.901, 335.082



61, 61.066, 335.832



65, 28.055, 173.900



33, 5.425, 332.649



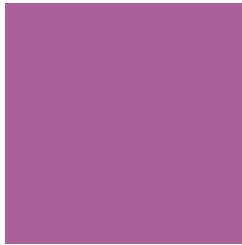
33, 64.079, 340.638



2, 9.361, 334.767

Previews

White Background



This preview shows how the CIELCh color 51, 41.903, 335.082 looks on a white background.

Color Contrast Check

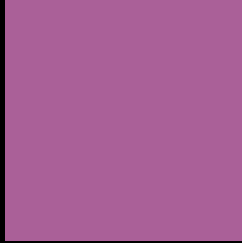
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 51, 41.903, 335.082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

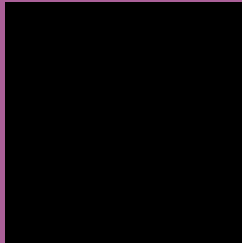
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 41.903, 335.082

Background



This preview shows how black text looks on a background with the CIELCh color 51, 41.903, 335.082.



This preview shows how white text looks on a background with the CIELCh color 51, 41.903, 335.082.

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



Original Color
51, 41.903, 335.082

Protanopia
51, 29.270, 285.496

Deuteranopia
51, 16.957, 294.772



Tritanopia
51, 26.148, 14.030

Trichromacy



Original Color
51, 41.903, 335.082

Protanomaly
50, 31.823, 305.932

Deuteranomaly
51, 25.124, 317.381

Tritanomaly
51, 30.065, 355.109

Monochromacy



Original Color
51, 41.903, 335.082

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 15.514, 332.774

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 41.903, 335.082 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(170, 96, 152)` looks like.

```
.text, #text, p{  
    color:rgb(170, 96, 152)  
}
```

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(170, 96, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 96, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 41.903, 335.082 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(170, 96, 152) }
```

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

```
.border{ border-color:rgb(170, 96, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 96, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 96, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 96, 152);  
box-shadow:4px 4px 4px 4px rgb(170, 96,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 41.903, 335.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 96, 152) }
```

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

```
.background{ background-color: rgb(170, 96,  
152) }
```

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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