

Converting Colors

CIELCh(55, 36.040, 306.818)

Have a look what the booklet for
CIELCh(55, 36.040, 306.818)
contains.

CIELCh(55, 36.077, 306.649)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(55, 36.077, 306.649)

Conversions

Conversions Part 1

Format	Color
Hex	9079B6
RGB	144, 121, 182
RGB Percent	56%, 47%, 71%
CMY	0.4358, 0.5260, 0.2868
CMYK	0.21, 0.34, 0.00, 0.29
HSL	263°, 29%, 59%
HSV	263°, 34%, 71%
XYZ	26.7262, 22.9298, 47.1945
YIQ	134.8310, -5.8730, 23.8470

Conversions

Conversions Part 2

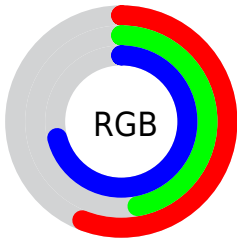
Format	Color
RYB	144, 121, 182
Decimal	9468342
CIELab	55.00, 21.53, -28.94
CIELCh	55, 36.077, 306.649
Yxy	22.9298, 0.2760, 0.2368
Android (android.graphics.Color)	4287658422 (0xFF9079B6)
YUV	134.8310, 23.2543, 8.0412
Hunter-Lab	47.8851, 15.8277, -24.9154

Details

The CIELCh color $55, 36.077, 306.649$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $71, 33.968, 122.932$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 35.732, 306.692$, and $35, 36.279, 306.499$ is the 20% darker color. If you saturate the color by 10%, you get $49, 47.448, 307.363$, and if you desaturate by 10%, it is $61, 24.940, 305.982$.

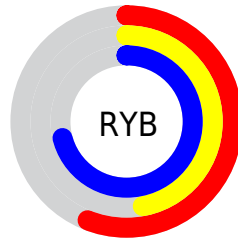
Distribution



Red (56%)

Green (47%)

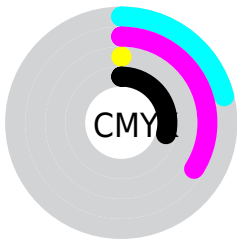
Blue (71%)



Red (56%)

Yellow (47%)

Blue (71%)

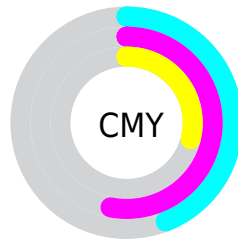


Cyan (21%)

Magenta (34%)

Yellow (0%)

Black (29%)



Cyan (44%)


Magenta (53%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 36.077, 306.649 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 55, 36.077, 306.649 by changing the saturation by 10% instead.


 55, 36.077,
306.649


 55, 36.077,
306.649


 100, 36.077,
306.649


 45, 36.077,
306.649


 75, 36.077,
306.649

 35, 36.077,
306.649

 85, 36.077,
306.649

 25, 36.077,
306.649

 95, 36.077,
306.649

 15, 36.077,
306.649

 5, 36.077, 306.649

 0, 36.077, 306.649

55, 36.077,
306.649

55, 36.077,
306.649

49, 47.448,
307.363

61, 24.940,
305.982

44, 58.901,
308.095

66, 14.116,
305.374

39, 70.136,
308.795

72, 3.633, 304.818

34, 80.638,
309.375

78, 6.505, 124.370

30, 89.625,
309.709

83, 16.305,
123.944


27, 96.154,
309.649

89, 25.783,
123.577

26, 99.310,
309.481

94, 34.953,
123.261

97, 37.637,
119.324

 98, 36.926,
112.839

Harmonies

Complementary

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



55, 36.077, 306.649



71, 33.968, 122.932

Rectangle

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



55, 36.077, 306.649



55, 36.077, 356.649



55, 36.077, 126.649



55, 36.077, 176.649

Sweetspot

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



55, 36.076, 306.649



87, 12.870, 305.183



64, 17.568, 244.212



46, 8.872, 305.262



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



55, 36.076, 306.649



66, 53.905, 307.155



58, 39.310, 322.306



36, 5.914, 305.137



21, 88.359, 309.607



1, 15.701, 301.075

Inverse Universe

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



58, 31.450, 340.265



71, 46.354, 340.956



69, 38.961, 138.813



36, 5.301, 338.219



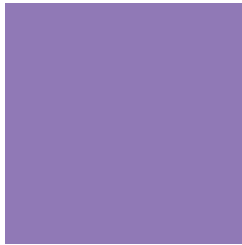
34, 61.220, 350.534



3, 13.231, 343.689

Previews

White Background



This preview shows how the CIELCh color 55, 36.077, 306.649 looks on a white background.

Color Contrast Check

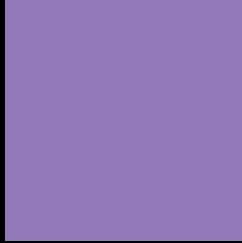
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 55, 36.077, 306.649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

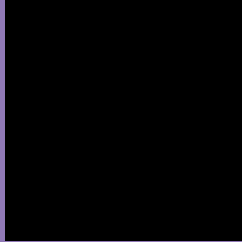
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 36.077, 306.649

Background



This preview shows how black text looks on a background with the CIELCh color 55, 36.077, 306.649.



This preview shows how white text looks on a background with the CIELCh color 55, 36.077, 306.649.

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
55, 36.077, 306.649

Protanopia
55, 34.060, 285.185

Deuteranopia
55, 28.877, 285.132



Tritanopia
55, 6.919, 313.981

Trichromacy



Original Color
55, 36.077, 306.649

Protanomaly
55, 33.900, 292.483

Deuteranomaly
55, 31.054, 293.797

Tritanomaly
55, 17.460, 308.144

Monochromacy



Original Color
55, 36.077, 306.649

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 13.029, 304.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 36.077, 306.649 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(144, 121, 182)` looks like.

```
.text, #text, p{  
    color:rgb(144, 121, 182)  
}
```

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(144, 121, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 121, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 36.077, 306.649 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(144, 121, 182) }
```

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

```
.border{ border-color:rgb(144, 121, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 121, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 121, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 121, 182);  
box-shadow:4px 4px 4px 4px rgb(144, 121,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 36.077, 306.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 121, 182) }
```

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

```
.background{ background-color: rgb(144,  
121, 182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor