

Converting Colors

CIELCh(55, 30.889, 330.315)

Have a look what the booklet for
CIELCh(55, 30.889, 330.315)
contains.

CIELCh(55, 30.857, 330.304)	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, 30.857, 330.304)

Conversions

Conversions Part 1

Format	Color
Hex	A6749F
RGB	166, 116, 159
RGB Percent	65%, 45%, 62%
CMY	0.3509, 0.5468, 0.3783
CMYK	0.00, 0.30, 0.04, 0.35
HSL	308°, 22%, 55%
HSV	308°, 30%, 65%
XYZ	28.0369, 22.9298, 35.5365
YIQ	135.8520, 15.9970, 23.9730

Conversions

Conversions Part 2

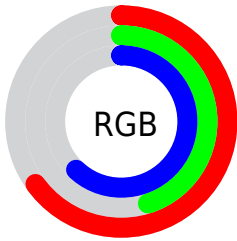
Format	Color
R_{YB}	166, 116, 159
Decimal	10908831
CIE _{Lab}	55.00, 26.80, -15.29
CIE _{LCh}	55, 30.857, 330.304
Yxy	22.9298, 0.3241, 0.2651
Android (android.graphics.Color)	4289098911 (0xFFA6749F)
YUV	135.8520, 11.4120, 26.4398
Hunter-Lab	47.8851, 20.7136, -10.4807

Details

The CIELCh color **55, 30.857, 330.304** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **64, 30.793, 146.338**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 30.781, 330.319**, and **35, 30.896, 329.807** is the 20% darker color. If you saturate the color by 10%, you get **51, 40.776, 330.918**, and if you desaturate by 10%, it is **59, 20.646, 329.693**.

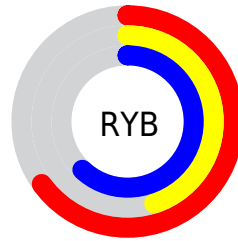
Distribution



Red (65%)

Green (45%)

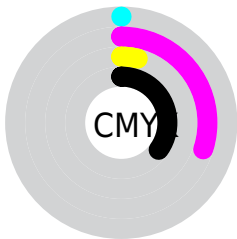
Blue (62%)



Red (65%)

Yellow (45%)

Blue (62%)

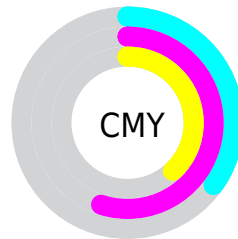


Cyan (0%)

Magenta (30%)

Yellow (4%)

Black (35%)



Cyan (35%)


Magenta (55%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 30.857, 330.304 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, 30.857, 330.304 by changing the saturation by 10% instead.


 55, 30.857,
330.304


 55, 30.857,
330.304


 100, 30.857,
330.304


 45, 30.857,
330.304


 75, 30.857,
330.304

 35, 30.857,
330.304

 85, 30.857,
330.304

 25, 30.857,
330.304

 95, 30.857,
330.304

 15, 30.857,
330.304

 5, 30.857, 330.304

 0, 30.857, 330.304

55, 30.857,
330.304

55, 30.857,
330.304

51, 40.776,
330.918

59, 20.646,
329.693

48, 50.101,
331.532

63, 10.375,
329.085

45, 58.445,
332.142

68, 0.197, 327.237

42, 65.379,
332.750

72, 9.790, 147.993

40, 70.510,
333.364

77, 19.527,
147.442


39, 73.596,
334.000

82, 28.986,
146.924

38, 75.020,
334.653

86, 38.158,
146.434

91, 47.044,
145.971

 93, 50.191,
146.245

Harmonies

Complementary

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



55, 30.857, 330.304



64, 30.793, 146.338

Rectangle

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



55, 30.857, 330.304



55, 30.857, 20.304



55, 30.857, 150.304



55, 30.857, 200.304

Sweetspot

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



55, 30.855, 330.304



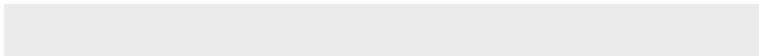
81, 11.298, 329.022



51, 29.324, 298.220



42, 7.843, 329.107



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



55, 30.855, 330.304



67, 45.212, 330.701



54, 22.571, 354.653



32, 5.691, 329.027



33, 68.277, 334.574



1, 8.573, 329.762

Inverse Universe

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



55, 30.855, 330.304



67, 45.212, 330.701



64, 21.098, 168.595



32, 5.691, 329.027



33, 68.277, 334.574



1, 8.573, 329.762

Previews

White Background



This preview shows how the CIELCh color 55, 30.857, 330.304 looks on a white background.

Color Contrast Check

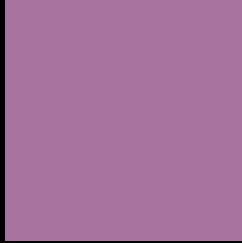
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 30.857, 330.304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

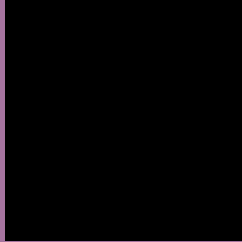
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 30.857, 330.304

Background



This preview shows how black text looks on a background with the CIELCh color 55, 30.857, 330.304.



This preview shows how white text looks on a background with the CIELCh color 55, 30.857, 330.304.

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, 30.857, 330.304

Protanopia

55, 21.941, 284.675

Deuteranopia

55, 15.630, 297.396



Tritanopia
55, 17.451, 4.415

Trichromacy



Original Color
55, 30.857, 330.304

Protanomaly
55, 23.596, 304.224

Deuteranomaly
55, 20.621, 314.558

Tritanomaly
55, 21.101, 347.365

Monochromacy



Original Color
55, 30.857, 330.304

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 11.575, 328.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 30.857, 330.304 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(166, 116, 159)` looks like.

```
.text, #text, p{  
    color:rgb(166, 116, 159)  
}
```

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(166, 116, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 116, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 30.857, 330.304 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(166, 116, 159) }
```

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

```
.border{ border-color:rgb(166, 116, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 116, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 116, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 116, 159);  
box-shadow:4px 4px 4px 4px rgb(166, 116,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 30.857, 330.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 116, 159) }
```

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

```
.background{ background-color: rgb(166,  
116, 159) }
```

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