

Converting Colors

CIELCh(55, 42.516, 300.205)

Have a look what the booklet for
CIELCh(55, 42.516, 300.205)
contains.

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Color

CIELCh(55, 42.238, 300.124)

Conversions

Conversions Part 1

Format	Color
Hex	867AC3
RGB	134, 122, 195
RGB Percent	53%, 48%, 76%
CMY	0.4745, 0.5215, 0.2353
CMYK	0.31, 0.37, 0.00, 0.24
HSL	250°, 38%, 62%
HSV	250°, 37%, 76%
XYZ	26.6439, 22.9298, 54.6548
YIQ	133.9100, -16.2810, 25.2470

Conversions

Conversions Part 2

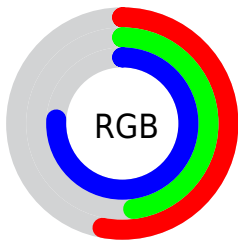
Format	Color
RYB	134, 122, 195
Decimal	8813251
CIELab	55.00, 21.20, -36.53
CIELCh	55, 42.238, 300.124
Yxy	22.9298, 0.2556, 0.2200
Android (android.graphics.Color)	4287003331 (0xFF867AC3)
YUV	133.9100, 30.1174, 0.0789
Hunter-Lab	47.8851, 15.5208, -34.1525

Details

The CIELCh color $55, 42.238, 300.124$ is a light color, and the websafe version is hex 666699 . A complement of this color would be $76, 38.638, 113.916$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 42.578, 300.358$, and $35, 42.489, 300.420$ is the 20% darker color. If you saturate the color by 10%, you get $49, 54.510, 301.383$, and if you desaturate by 10%, it is $61, 30.360, 299.003$.

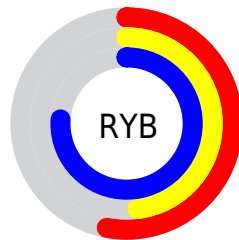
Distribution



Red (53%)

Green (48%)

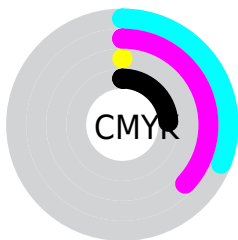
Blue (76%)



Red (53%)

Yellow (48%)

Blue (76%)

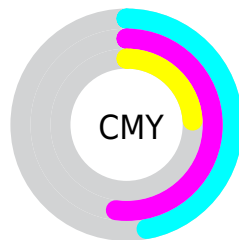


Cyan (31%)

Magenta (37%)

Yellow (0%)

Black (24%)



Cyan (47%)


Magenta (52%)

Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 42.238, 300.124 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, 42.238, 300.124 by changing the saturation by 10% instead.


 55, 42.238,
300.124


 55, 42.238,
300.124


 100, 42.238,
300.124


 45, 42.238,
300.124


 75, 42.238,
300.124

 35, 42.238,
300.124

 85, 42.238,
300.124

 25, 42.238,
300.124

 95, 42.238,
300.124

 15, 42.238,
300.124

 5, 42.238, 300.124

 0, 42.238, 300.124

55, 42.238,
300.124

55, 42.238,
300.124

49, 54.510,
301.383

61, 30.360,
299.003

43, 67.035,
302.750

68, 18.920,
298.022

37, 79.463,
304.153

74, 7.917, 297.172

32, 91.069,
305.447

80, 2.669, 116.440

87, 12.861,
115.812

28, 100.629,
306.413

93, 22.687,
115.272

25, 106.852,
306.854

98, 30.358,
112.826

24, 108.189,
306.963

99, 30.223,
107.880

Harmonies

Complementary

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



55, 42.238, 300.124



76, 38.638, 113.916

Rectangle

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



55, 42.238, 300.124



55, 42.238, 350.124



55, 42.238, 120.124



55, 42.238, 170.124

Sweetspot

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



55, 42.237, 300.124



91, 14.547, 297.475



71, 20.807, 214.767



48, 9.880, 297.592



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 42.237, 300.124



64, 63.579, 301.155



58, 44.465, 315.741



38, 6.028, 297.327



19, 93.594, 307.047



1, 19.573, 295.572

Inverse Universe

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



61, 42.790, 331.640



73, 62.748, 332.180



74, 42.985, 132.363



38, 6.449, 329.850



36, 72.050, 335.969



4, 20.730, 332.784

Previews

White Background



This preview shows how the CIELCh color 55, 42.238, 300.124 looks on a white background.

Color Contrast Check

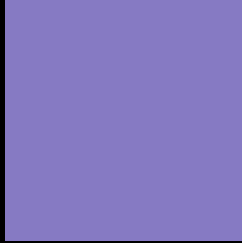
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.238, 300.124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

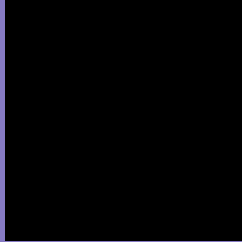
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 42.238, 300.124

Background



This preview shows how black text looks on a background with the CIELCh color 55, 42.238, 300.124.



This preview shows how white text looks on a background with the CIELCh color 55, 42.238, 300.124.

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

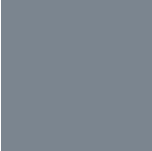
55, 42.238, 300.124

Protanopia

55, 41.550, 285.688

Deuteranopia

55, 36.010, 282.260



Tritanopia
55, 6.784, 257.290

Trichromacy



Original Color
55, 42.238, 300.124

Protanomaly
55, 41.947, 290.910

Deuteranomaly
55, 37.937, 288.990

Tritanomaly
55, 18.986, 290.301

Monochromacy



Original Color
55, 42.238, 300.124

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 15.038, 297.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 42.238, 300.124 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(134, 122, 195)` looks like.

```
.text, #text, p{  
    color:rgb(134, 122, 195)  
}
```

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(134, 122, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 122, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 42.238, 300.124 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(134, 122, 195) }
```

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

```
.border{ border-color:rgb(134, 122, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 122, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 122, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 122, 195);  
box-shadow:4px 4px 4px 4px rgb(134, 122,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 42.238, 300.124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 122, 195) }
```

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

```
.background{ background-color: rgb(134,  
122, 195) }
```

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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