

Converting Colors

CIELCh(55, 27.991, 299.743)

Have a look what the booklet for
CIELCh(55, 27.991, 299.743)
contains.

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Color

CIELCh(55, 28.464, 299.709)

Conversions

Conversions Part 1

Format	Color
Hex	867DAE
RGB	134, 125, 174
RGB Percent	53%, 49%, 68%
CMY	0.4730, 0.5084, 0.3161
CMYK	0.23, 0.28, 0.00, 0.32
HSL	251°, 23%, 59%
HSV	251°, 28%, 68%
XYZ	24.9490, 22.9298, 43.3540
YIQ	133.2770, -10.3650, 17.1470

Conversions

Conversions Part 2

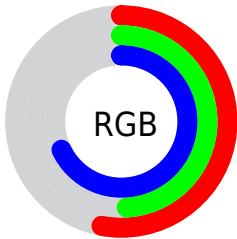
Format	Color
R_{YB}	134, 125, 174
Decimal	8813998
CIE _{Lab}	55.00, 14.11, -24.72
CIE _{LCh}	55, 28.464, 299.709
Yxy	22.9298, 0.2735, 0.2513
Android (android.graphics.Color)	4287004078 (0xFF867DAE)
YUV	133.2770, 20.0764, 0.6341
Hunter-Lab	47.8851, 9.2026, -20.1602

Details

The CIELCh color $55, 28.464, 299.709$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $69, 26.747, 115.414$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 28.409, 299.512$, and $35, 28.312, 299.640$ is the 20% darker color. If you saturate the color by 10%, you get $49, 39.322, 300.779$, and if you desaturate by 10%, it is $61, 17.990, 298.768$.

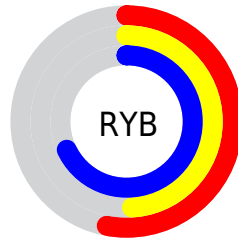
Distribution



Red (53%)

Green (49%)

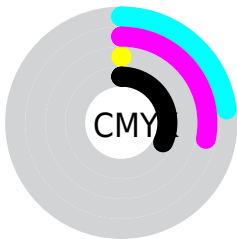
Blue (68%)



Red (53%)

Yellow (49%)

Blue (68%)

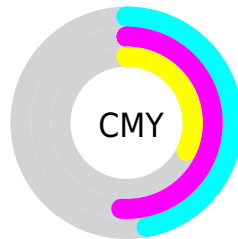


Cyan (23%)

Magenta (28%)

Yellow (0%)

Black (32%)



Cyan (47%)


Magenta (51%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 28.464, 299.709 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, 28.464, 299.709 by changing the saturation by 10% instead.


 55, 28.464,
299.709


 55, 28.464,
299.709


 100, 28.464,
299.709


 45, 28.464,
299.709


 75, 28.464,
299.709

 35, 28.464,
299.709

 85, 28.464,
299.709

 25, 28.464,
299.709

 95, 28.464,
299.709

 15, 28.464,
299.709

 5, 28.464, 299.709

 0, 28.464, 299.709

■ 55, 28.464,
299.709

■ 55, 28.464,
299.709

■ 49, 39.322,
300.779

■ 61, 17.990,
298.768

■ 44, 50.524,
301.973

■ 67, 7.909, 297.949

■ 38, 61.929,
303.261

■ 72, 1.797, 117.245

■ 33, 73.214,
304.571

■ 78, 11.146,
116.634

■ 28, 83.726,
305.767

■ 84, 20.162,
116.109

■ 24, 92.389,
306.641

■ 89, 28.867,
115.658


■ 22, 98.259,
307.059

■ 95, 37.279,
115.270

■ 22, 99.278,

■ 98, 40.493,
110.794

307.153

 98, 40.395,
107.095

Harmonies

Complementary

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



55, 28.464, 299.709



69, 26.747, 115.414

Rectangle

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



55, 28.464, 299.709



55, 28.464, 349.709



55, 28.464, 119.709



55, 28.464, 169.709

Sweetspot

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



55, 28.463, 299.709



85, 9.665, 297.951



65, 14.536, 218.544



44, 6.942, 298.066



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



55, 28.463, 299.709



66, 43.178, 300.388



57, 30.533, 316.388



34, 5.506, 298.040



18, 88.950, 307.231



1, 11.423, 296.054

Inverse Universe

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



59, 29.102, 331.710



71, 43.491, 332.137



68, 29.864, 133.908



34, 5.802, 330.502



34, 67.722, 337.014



2, 11.603, 332.422

Previews

White Background



This preview shows how the CIELCh color 55, 28.464, 299.709 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, 28.464, 299.709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

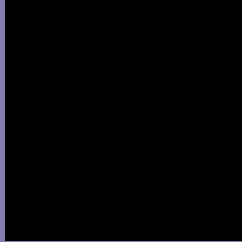
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 28.464, 299.709

Background



This preview shows how black text looks on a background with the CIELCh color 55, 28.464, 299.709.



This preview shows how white text looks on a background with the CIELCh color 55, 28.464, 299.709.

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, 28.464, 299.709

Protanopia

55, 27.717, 285.247

Deuteranopia

55, 25.333, 287.055



Tritanopia
55, 5.913, 275.990

Trichromacy



Original Color
55, 28.464, 299.709

Protanomaly
55, 28.176, 290.774

Deuteranomaly
55, 26.451, 292.551

Tritanomaly
55, 13.801, 291.828

Monochromacy



Original Color
55, 28.464, 299.709

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 10.418, 297.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 28.464, 299.709 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, 125, 174)` looks like.

```
.text, #text, p{  
    color:rgb(134, 125, 174)  
}
```

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, 125, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 125, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 28.464, 299.709 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, 125, 174) }
```

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

```
.border{ border-color:rgb(134, 125, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 125, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 125, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 125, 174);  
box-shadow:4px 4px 4px 4px rgb(134, 125,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 28.464, 299.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 125, 174) }
```

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

```
.background{ background-color: rgb(134,  
125, 174) }
```

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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