

Converting Colors

CIELCh(55, 32.994, 299.189)

Have a look what the booklet for
CIELCh(55, 32.994, 299.189)
contains.

CIELCh(55, 32.429, 299.239)	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, 32.429, 299.239)

Conversions

Conversions Part 1

Format	Color
Hex	867DB5
RGB	134, 125, 181
RGB Percent	53%, 49%, 71%
CMY	0.4760, 0.5113, 0.2918
CMYK	0.26, 0.31, 0.00, 0.29
HSL	250°, 27%, 60%
HSV	250°, 31%, 71%
XYZ	25.3564, 22.9298, 46.5913
YIQ	134.0750, -12.6120, 19.3240

Conversions

Conversions Part 2

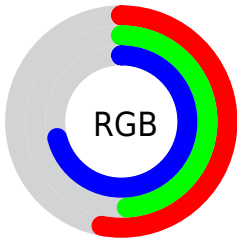
Format	Color
R_{YB}	134, 125, 181
Decimal	8814005
CIE _{Lab}	55.00, 15.84, -28.30
CIE _{LCh}	55, 32.429, 299.239
Yxy	22.9298, 0.2673, 0.2417
Android (android.graphics.Color)	4287004085 (0xFF867DB5)
YUV	134.0750, 23.1340, -0.0658
Hunter-Lab	47.8851, 10.7215, -24.1685

Details

The CIELCh color $55, 32.429, 299.239$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $72, 30.207, 114.219$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 32.148, 298.946$, and $35, 32.584, 299.423$ is the 20% darker color. If you saturate the color by 10%, you get $49, 43.720, 300.412$, and if you desaturate by 10%, it is $61, 21.540, 298.207$.

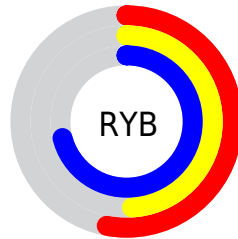
Distribution



Red (53%)

Green (49%)

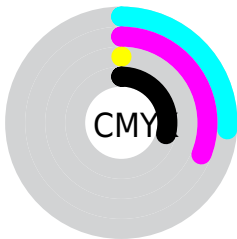
Blue (71%)



Red (53%)

Yellow (49%)

Blue (71%)

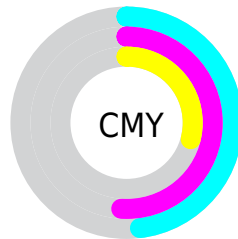


Cyan (26%)

Magenta (31%)

Yellow (0%)

Black (29%)



Cyan (48%)


Magenta (51%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 32.429, 299.239 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, 32.429, 299.239 by changing the saturation by 10% instead.


 55, 32.429,
299.239


 55, 32.429,
299.239


 100, 32.429,
299.239


 45, 32.429,
299.239


 75, 32.429,
299.239

 35, 32.429,
299.239

 85, 32.429,
299.239

 25, 32.429,
299.239

 95, 32.429,
299.239

 15, 32.429,
299.239

 5, 32.429, 299.239

 0, 32.429, 299.239

■ 55, 32.429,
299.239

■ 55, 32.429,
299.239

■ 49, 43.720,
300.412

■ 61, 21.540,
298.207

■ 43, 55.354,
301.718

■ 67, 11.065,
297.312

■ 38, 67.149,
303.115

■ 73, 0.987, 296.541

■ 32, 78.686,
304.512

■ 79, 8.714, 115.873

■ 28, 89.143,
305.741

■ 85, 18.064,
115.302


■ 24, 97.252,
306.566

■ 91, 27.085,
114.811

■ 22, 102.176,
306.967

■ 96, 35.799,
114.389

■ 98, 37.350,
107.387

 98, 37.350,
107.330

Harmonies

Complementary

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



55, 32.429, 299.239



72, 30.207, 114.219

Rectangle

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



55, 32.429, 299.239



55, 32.429, 349.239



55, 32.429, 119.239



55, 32.429, 169.239

Sweetspot

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



55, 32.428, 299.239



86, 11.168, 297.161



67, 16.634, 214.451



45, 7.775, 297.278



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



55, 32.428, 299.239



66, 48.503, 300.001



58, 34.468, 315.452



35, 5.629, 297.174



18, 90.305, 307.043



1, 13.380, 295.044

Inverse Universe

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



59, 33.516, 331.077



72, 49.276, 331.501



70, 33.525, 132.706



35, 6.042, 329.714



35, 69.751, 335.719



2, 13.830, 331.626

Previews

White Background



This preview shows how the CIELCh color 55, 32.429, 299.239 looks on a white background.

Color Contrast Check

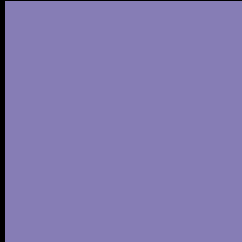
Large Text (above 18pt) WCAG AA ✓ Pass

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, 32.429, 299.239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

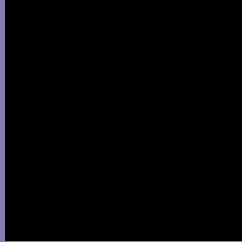
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 32.429, 299.239

Background



This preview shows how black text looks on a background with the CIELCh color 55, 32.429, 299.239.



This preview shows how white text looks on a background with the CIELCh color 55, 32.429, 299.239.

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

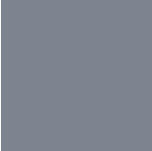
55, 32.429, 299.239

Protanopia

55, 31.752, 285.239

Deuteranopia

55, 28.877, 285.132



Tritanopia
55, 6.667, 271.100

Trichromacy



Original Color
55, 32.429, 299.239

Protanomaly
55, 31.611, 290.334

Deuteranomaly
55, 29.894, 290.523

Tritanomaly
55, 16.117, 292.105

Monochromacy



Original Color
55, 32.429, 299.239

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 11.558, 297.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 32.429, 299.239 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(134, 125, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 125, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 32.429, 299.239 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, 181) }
```

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

```
.border{ border-color:rgb(134, 125, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 125, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 125, 181);  
box-shadow:4px 4px 4px 4px rgb(134, 125,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 32.429, 299.239 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, 181) }
```

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

```
.background{ background-color: rgb(134,  
125, 181) }
```

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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