

Converting Colors

CIELCh(44, 33.729, 300.135)

Have a look what the booklet for
CIELCh(44, 33.729, 300.135)
contains.

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Color

CIELCh(44, 33.200, 299.873)

Conversions

Conversions Part 1

Format	Color
Hex	6A6198
RGB	106, 97, 152
RGB Percent	42%, 38%, 60%
CMY	0.5849, 0.6202, 0.4046
CMYK	0.30, 0.36, 0.00, 0.40
HSL	250°, 22%, 49%
HSV	250°, 36%, 60%
XYZ	15.8405, 13.8382, 31.4724
YIQ	105.9610, -12.2910, 19.0130

Conversions

Conversions Part 2

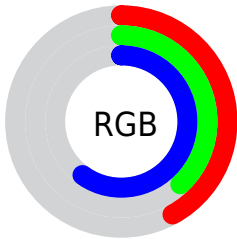
Format	Color
R_{YB}	106, 97, 152
Decimal	6971800
CIE _{Lab}	44.00, 16.54, -28.79
CIE _{LCh}	44, 33.200, 299.873
Yxy	13.8382, 0.2590, 0.2263
Android (android.graphics.Color)	4285161880 (0xFF6A6198)
YUV	105.9610, 22.6972, 0.0342
Hunter-Lab	37.1997, 10.9100, -24.1217

Details

The CIELCh color $44, 33.200, 299.873$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $61, 30.533, 114.012$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 33.231, 299.872$, and $24, 33.126, 299.453$ is the 20% darker color. If you saturate the color by 10%, you get $39, 43.149, 301.085$, and if you desaturate by 10%, it is $49, 23.576, 298.796$.

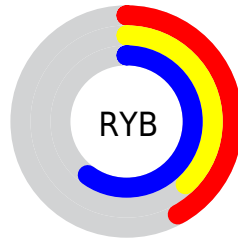
Distribution



Red (42%)

Green (38%)

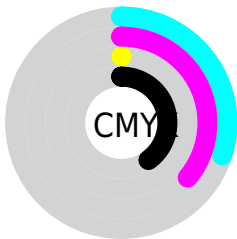
Blue (60%)



Red (42%)

Yellow (38%)

Blue (60%)

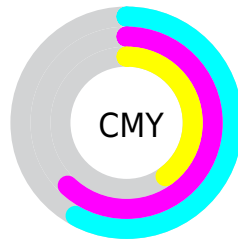


Cyan (30%)

Magenta (36%)

Yellow (0%)

Black (40%)



Cyan (58%)


Magenta (62%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 33.200, 299.873 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 44, 33.200, 299.873 by changing the saturation by 10% instead.


 44, 33.200,
299.873


 44, 33.200,
299.873


 100, 33.200,
299.873


 34, 33.200,
299.873

 64, 33.200,
299.873


 24, 33.200,
299.873

 74, 33.200,
299.873

 14, 33.200,
299.873

 84, 33.200,
299.873

 4, 33.200, 299.873

 94, 33.200,
299.873

 0, 33.200, 299.873

 44, 33.200,

 44, 33.200,

299.873

■ 39, 43.149,
301.085

■ 34, 53.337,
302.411

■ 29, 63.534,
303.793

■ 25, 73.252,
305.112

■ 21, 81.629,
306.177

■ 19, 87.673,
306.803

■ 18, 89.767,
307.069

299.873

■ 49, 23.576,
298.796

■ 54, 14.306,
297.853

■ 60, 5.383, 297.036

■ 65, 3.208, 116.329

■ 70, 11.487,
115.722

■ 75, 19.473,
115.198

■ 80, 27.188,
114.747

■ 85, 34.647,
114.359

■ 90, 41.867,
114.024

Harmonies

Complementary

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



44, 33.200, 299.873



61, 30.533, 114.012

Rectangle

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



44, 33.200, 299.873



44, 33.200, 349.873



44, 33.200, 119.873



44, 33.200, 169.873

Sweetspot

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



44, 33.199, 299.873



72, 11.857, 297.430



57, 16.550, 214.666



37, 8.049, 297.531



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



44, 33.199, 299.873



52, 49.300, 300.786



47, 35.052, 315.659



30, 4.953, 297.270



16, 84.659, 307.112



0, 5.269, 296.477

Inverse Universe

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



48, 33.832, 331.486



59, 49.130, 331.973



59, 33.945, 132.462



30, 5.305, 329.802



32, 65.371, 335.817



1, 5.646, 329.730

Previews

White Background



This preview shows how the CIELCh color 44, 33.200, 299.873 looks on a white 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

Black Background



This preview shows how the CIE LCh color 44, 33.200, 299.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

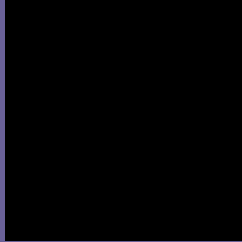
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 33.200, 299.873

Background



This preview shows how black text looks on a background with the CIELCh color 44, 33.200, 299.873.



This preview shows how white text looks on a background with the CIELCh color 44, 33.200, 299.873.

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

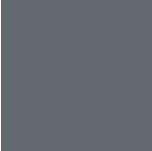
44, 33.200, 299.873

Protanopia

44, 32.535, 285.252

Deuteranopia

44, 29.061, 282.734



Tritanopia
44, 5.468, 260.695

Trichromacy



Original Color
44, 33.200, 299.873

Protanomaly
44, 32.370, 290.622

Deuteranomaly
44, 29.981, 289.288

Tritanomaly
44, 14.999, 290.871

Monochromacy



Original Color
44, 33.200, 299.873

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 12.058, 297.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 33.200, 299.873 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(106, 97, 152)` looks like.

```
.text, #text, p{  
    color:rgb(106, 97, 152)  
}
```

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(106, 97, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 97, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 33.200, 299.873 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(106, 97, 152) }
```

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

```
.border{ border-color:rgb(106, 97, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 97, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 97, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 97, 152);  
box-shadow:4px 4px 4px 4px rgb(106, 97,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 33.200, 299.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 97, 152) }
```

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

```
.background{ background-color: rgb(106, 97,  
152) }
```

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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