

Converting Colors

CIELCh(33, 35.651, 303.415)

Have a look what the booklet for
CIELCh(33, 35.651, 303.415)
contains.

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Color

CIELCh(33, 35.651, 303.415)

Conversions

Conversions Part 1

Format	Color
Hex	53457D
RGB	83, 69, 125
RGB Percent	33%, 27%, 49%
CMY	0.6753, 0.7302, 0.5106
CMYK	0.34, 0.45, 0.00, 0.51
HSL	255°, 29%, 38%
HSV	255°, 45%, 49%
XYZ	9.3532, 7.5373, 20.2924
YIQ	79.5700, -9.6320, 20.3840

Conversions

Conversions Part 2

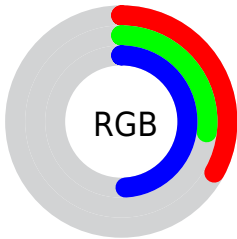
Format	Color
R_{YB}	83, 69, 125
Decimal	5457277
CIE _{Lab}	33.00, 19.63, -29.76
CIE _{LCh}	33, 35.651, 303.415
Yxy	7.5373, 0.2515, 0.2027
Android (android.graphics.Color)	4283647357 (0xFF53457D)
YUV	79.5700, 22.3970, 3.0081
Hunter-Lab	27.4541, 12.7677, -24.6057

Details

The CIELCh color **33, 35.651, 303.415** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **50, 32.325, 117.231**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 35.928, 303.461**, and **13, 36.261, 303.496** is the 20% darker color. If you saturate the color by 10%, you get **29, 44.208, 304.431**, and if you desaturate by 10%, it is **37, 27.256, 302.471**.

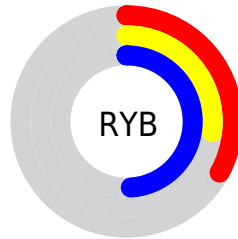
Distribution



Red (33%)

Green (27%)

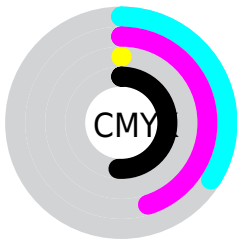
Blue (49%)



Red (33%)

Yellow (27%)

Blue (49%)

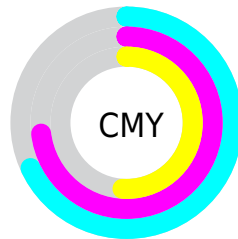


Cyan (34%)

Magenta (45%)

Yellow (0%)

Black (51%)



Cyan (68%)


Magenta (73%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 35.651, 303.415 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 33, 35.651, 303.415 by changing the saturation by 10% instead.


 33, 35.651,
303.415


 33, 35.651,
303.415

 100, 35.651,
303.415


 23, 35.651,
303.415

 53, 35.651,
303.415


 13, 35.651,
303.415


 63, 35.651,
303.415

 3, 35.651, 303.415

 73, 35.651,
303.415

 0, 35.651, 303.415

 83, 35.651,
303.415

 93, 35.651,
303.415

■ 33, 35.651,
303.415

■ 33, 35.651,
303.415

■ 29, 44.208,
304.431

■ 37, 27.256,
302.471

■ 25, 52.756,
305.473

■ 42, 19.103,
301.617

■ 21, 60.958,
306.455

■ 46, 11.219,
300.859

■ 18, 68.236,
307.239

■ 50, 3.609, 300.189

■ 15, 73.927,
307.691

■ 55, 3.737, 119.620

■ 14, 76.809,
308.010

■ 59, 10.829,
119.111

■ 63, 17.682,
118.673

■ 67, 24.309,
118.294

■ 71, 30.726,
117.967

Harmonies

Complementary

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



33, 35.651, 303.415



50, 32.325, 117.231

Rectangle

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



33, 35.651, 303.415



33, 35.651, 353.415



33, 35.651, 123.415



33, 35.651, 173.415

Sweetspot

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



33, 35.650, 303.415



60, 12.192, 300.750



45, 16.300, 226.855



30, 8.516, 300.882



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



33, 35.650, 303.415



38, 54.226, 304.479



36, 37.530, 318.602



23, 4.144, 300.460



14, 76.882, 308.008



34, 130.186, 307.584

Inverse Universe

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



37, 33.383, 335.366



45, 49.076, 336.187



48, 36.534, 134.542



24, 4.141, 332.862



27, 56.604, 340.803



57, 94.421, 341.673

Previews

White Background



This preview shows how the CIE LCh color 33, 35.651, 303.415 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 33, 35.651, 303.415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

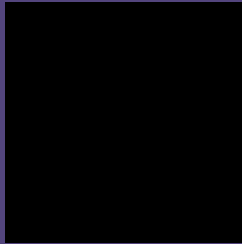
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 35.651, 303.415

Background



This preview shows how black text looks on a background with the CIELCh color 33, 35.651, 303.415.



This preview shows how white text looks on a background with the CIELCh color 33, 35.651, 303.415.

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

33, 35.651, 303.415

Protanopia

33, 34.814, 285.392

Deuteranopia

33, 28.878, 279.686



Tritanopia
33, 4.098, 266.924

Trichromacy



Original Color
33, 35.651, 303.415

Protanomaly
33, 35.272, 291.529

Deuteranomaly
33, 30.890, 288.823

Tritanomaly
33, 15.199, 295.690

Monochromacy



Original Color
33, 35.651, 303.415

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 13.446, 300.916

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 35.651, 303.415 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(83, 69, 125)` looks like.

```
.text, #text, p{  
    color:rgb(83, 69, 125)  
}
```

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(83, 69, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 69, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 35.651, 303.415 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(83, 69, 125) }
```

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

```
.border{ border-color:rgb(83, 69, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 69, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 69, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 69, 125);  
box-shadow:4px 4px 4px 4px rgb(83, 69,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 35.651, 303.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 69, 125) }
```

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

```
.background{ background-color: rgb(83, 69,  
125) }
```

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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