

Converting Colors

CIELCh(31, 33.633, 344.899)

Have a look what the booklet for
CIELCh(31, 33.633, 344.899)
contains.

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Color

CIELCh(31, 33.528, 345.131)

Conversions

Conversions Part 1

Format	Color
Hex	723357
RGB	114, 51, 87
RGB Percent	45%, 20%, 34%
CMY	0.5525, 0.7996, 0.6584
CMYK	0.00, 0.55, 0.24, 0.55
HSL	326°, 38%, 32%
HSV	326°, 55%, 45%
XYZ	9.8670, 6.6515, 9.8028
YIQ	73.9410, 25.9920, 24.5520

Conversions

Conversions Part 2

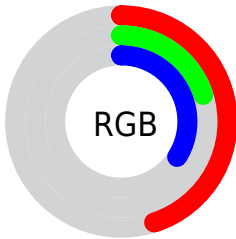
Format	Color
R_{YB}	114, 51, 87
Decimal	7484247
CIE Lab	31.00, 32.41, -8.60
CIE LCh	31, 33.528, 345.131
Yxy	6.6515, 0.3749, 0.2527
Android (android.graphics.Color)	4285674327 (0xFF723357)
YUV	73.9410, 6.4381, 35.1317
Hunter-Lab	25.7905, 23.1576, -4.4823

Details

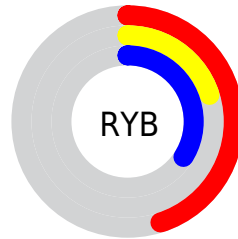
The CIELCh color **31, 33.528, 345.131** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **43, 32.462, 154.570**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 33.762, 345.081**, and **11, 33.577, 344.582** is the 20% darker color. If you saturate the color by 10%, you get **29, 38.552, 346.515**, and if you desaturate by 10%, it is **34, 27.861, 343.945**.

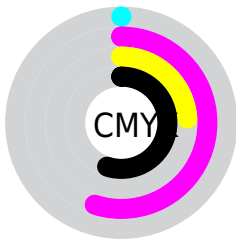
Distribution



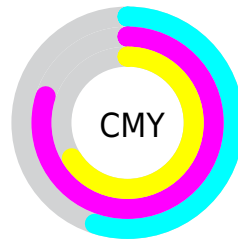
- Red (45%)
- Green (20%)
- Blue (34%)



- Red (45%)
- Yellow (20%)
- Blue (34%)



- Cyan (0%)
- Magenta (55%)
- Yellow (24%)
- Black (55%)





- Cyan (55%)
- Magenta (80%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 33.528, 345.131 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 31, 33.528, 345.131 by changing the saturation by 10% instead.


 31, 33.528,
345.131


 31, 33.528,
345.131

 100, 33.528,
345.131


 21, 33.528,
345.131

 51, 33.528,
345.131


 11, 33.528,
345.131


 61, 33.528,
345.131

 1, 33.528, 345.131

 71, 33.528,
345.131

 0, 33.528, 345.131

 81, 33.528,
345.131

 91, 33.528,
345.131

■ 31, 33.528,
345.131

■ 31, 33.528,
345.131

■ 29, 38.552,
346.515

■ 34, 27.861,
343.945

■ 27, 42.650,
348.170

■ 37, 21.816,
342.904

■ 25, 45.561,
350.193

■ 40, 15.597,
341.972

■ 24, 47.276,
352.645

■ 43, 9.351, 341.121

■ 46, 3.175, 340.299

■ 24, 48.059,
353.828

■ 50, 2.869, 159.756

■ 53, 8.749, 159.038

■ 57, 14.448,
158.414

■ 60, 19.964,

Harmonies

Complementary

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



31, 33.528, 345.131



43, 32.462, 154.570

Rectangle

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



31, 33.528, 345.131



31, 33.528, 35.131



31, 33.528, 165.131



31, 33.528, 215.131

Sweetspot

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



31, 33.526, 345.132



54, 12.946, 341.304



27, 41.549, 309.225



27, 8.612, 341.425



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



31, 33.526, 345.132



37, 47.832, 346.897



30, 30.061, 19.611



22, 3.389, 340.615



25, 49.728, 354.017



54, 84.172, 356.110

Inverse Universe

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



31, 33.526, 345.132



37, 47.832, 346.897



44, 21.805, 188.594



22, 3.389, 340.615



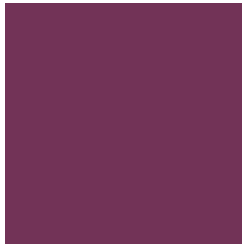
25, 49.728, 354.017



54, 84.172, 356.110

Previews

White Background



This preview shows how the CIE LCh color 31, 33.528, 345.131 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 31, 33.528, 345.131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

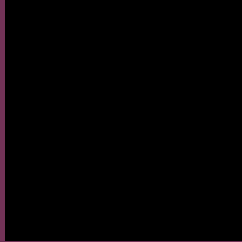
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 33.528, 345.131

Background



This preview shows how black text looks on a background with the CIELCh color 31, 33.528, 345.131.



This preview shows how white text looks on a background with the CIELCh color 31, 33.528, 345.131.

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

31, 33.528, 345.131

Protanopia

31, 18.552, 284.443

Deuteranopia

31, 7.848, 303.794



Tritanopia
31, 26.070, 19.107

Trichromacy



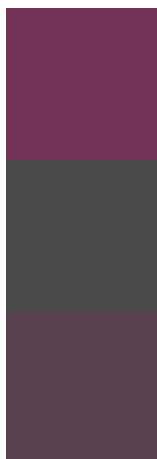
Original Color
31, 33.528, 345.131

Protanomaly
31, 21.701, 312.621

Deuteranomaly
31, 17.283, 331.945

Tritanomaly
31, 27.447, 5.488

Monochromacy



Original Color
31, 33.528, 345.131

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 12.971, 342.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 33.528, 345.131 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(114, 51, 87)` looks like.

```
.text, #text, p{  
    color:rgb(114, 51, 87)  
}
```

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(114, 51, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 51, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 33.528, 345.131 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(114, 51, 87) }
```

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

```
.border{ border-color:rgb(114, 51, 87) }
```

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

Here you see how a box with a 4 pixel rgb(114, 51, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 51, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 51, 87);  
box-shadow:4px 4px 4px 4px rgb(114, 51,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 33.528, 345.131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 51, 87) }
```

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

```
.background{ background-color: rgb(114, 51,  
87) }
```

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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