

Converting Colors

CIELCh(36, 33.503, 343.931)

Have a look what the booklet for
CIELCh(36, 33.503, 343.931)
contains.

CIELCh(36, 33.797, 344.228)	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(36, 33.797, 344.228)

Conversions

Conversions Part 1

Format	Color
Hex	7F3F64
RGB	127, 63, 100
RGB Percent	50%, 25%, 39%
CMY	0.5015, 0.7525, 0.6075
CMYK	0.00, 0.50, 0.21, 0.50
HSL	325°, 34%, 37%
HSV	325°, 50%, 50%
XYZ	12.8563, 9.0082, 13.1428
YIQ	86.3540, 26.2670, 25.0750

Conversions

Conversions Part 2

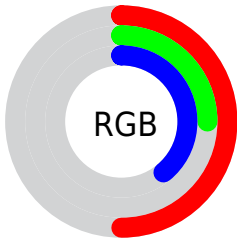
Format	Color
RYB	127, 63, 100
Decimal	8339300
CIELab	36.00, 32.52, -9.19
CIELCh	36, 33.797, 344.228
Yxy	9.0082, 0.3672, 0.2573
Android (android.graphics.Color)	4286529380 (0xFF7F3F64)
YUV	86.3540, 6.7275, 35.6465
Hunter-Lab	30.0136, 23.9365, -4.9533

Details

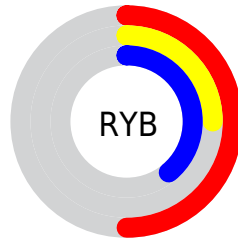
The CIELCh color **36, 33.797, 344.228** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **48, 32.760, 154.829**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 33.643, 343.970**, and **16, 33.727, 344.872** is the 20% darker color. If you saturate the color by 10%, you get **33, 39.634, 345.515**, and if you desaturate by 10%, it is **39, 27.374, 343.114**.

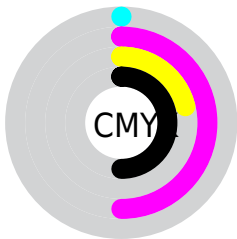
Distribution



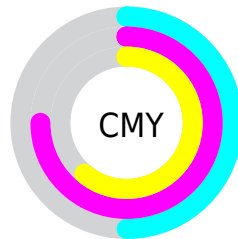
- Red (50%)
- Green (25%)
- Blue (39%)



- Red (50%)
- Yellow (25%)
- Blue (39%)



- Cyan (0%)
- Magenta (50%)
- Yellow (21%)
- Black (50%)





- Cyan (50%)
- Magenta (75%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 33.797, 344.228 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 36, 33.797, 344.228 by changing the saturation by 10% instead.


 36, 33.797,
344.228


 36, 33.797,
344.228

 100, 33.797,
344.228


 26, 33.797,
344.228

 56, 33.797,
344.228


 16, 33.797,
344.228


 66, 33.797,
344.228

 6, 33.797, 344.228

 76, 33.797,
344.228

 0, 33.797, 344.228

 86, 33.797,
344.228

 96, 33.797,
344.228

36, 33.797,
344.228

36, 33.797,
344.228

33, 39.634,
345.515

39, 27.374,
343.114

31, 44.575,
347.036

42, 20.637,
342.126

29, 48.305,
348.881

46, 13.785,
341.233

28, 50.602,
351.161

49, 6.957, 340.405

27, 51.960,
353.666

53, 0.241, 338.575

57, 6.310, 159.057

61, 12.668,
158.396

64, 18.825,
157.793

■ 68, 24.780,
157.233

Harmonies

Complementary

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



36, 33.797, 344.228



48, 32.760, 154.829

Rectangle

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



36, 33.797, 344.228



36, 33.797, 34.228



36, 33.797, 164.228



36, 33.797, 214.228

Sweetspot

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



36, 33.795, 344.229



61, 12.575, 340.813



32, 41.288, 308.958



31, 8.659, 340.960



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



36, 33.795, 344.229



43, 48.800, 345.665



35, 29.720, 18.694



25, 3.791, 340.303



27, 52.073, 353.676



0, 0.000, 0.000

Inverse Universe

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



36, 33.795, 344.229



43, 48.800, 345.665



49, 22.164, 188.910



25, 3.791, 340.303



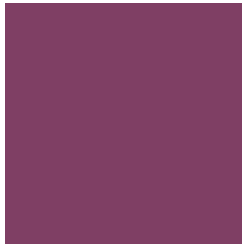
27, 52.073, 353.676



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 36, 33.797, 344.228 looks on a white background.

Color Contrast Check

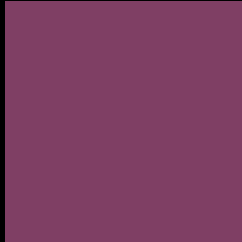
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 36, 33.797, 344.228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

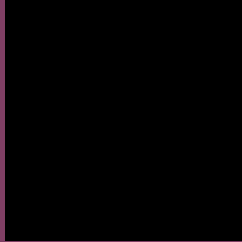
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 33.797, 344.228

Background



This preview shows how black text looks on a background with the CIELCh color 36, 33.797, 344.228.



This preview shows how white text looks on a background with the CIELCh color 36, 33.797, 344.228.

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
36, 33.797, 344.228

Protanopia
36, 19.315, 285.777

Deuteranopia
36, 8.967, 304.670



Tritanopia
36, 25.289, 16.952

Trichromacy



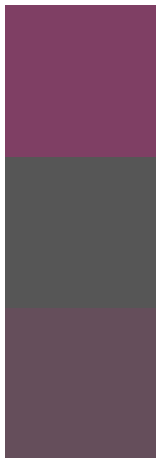
Original Color
36, 33.797, 344.228

Protanomaly
35, 22.505, 312.427

Deuteranomaly
36, 17.369, 330.415

Tritanomaly
36, 27.000, 3.371

Monochromacy



Original Color
36, 33.797, 344.228

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 12.671, 342.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 33.797, 344.228 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(127, 63, 100)` looks like.

```
.text, #text, p{  
    color:rgb(127, 63, 100)  
}
```

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(127, 63, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 63, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 33.797, 344.228 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(127, 63, 100) }
```

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

```
.border{ border-color:rgb(127, 63, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 63, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 63, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 63, 100); box-shadow:4px 4px 4px 4px rgb(127, 63, 100) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 33.797, 344.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 63, 100) }
```

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

```
.background{ background-color: rgb(127, 63,  
100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor