

Converting Colors

CIELCh(36, 36.331, 333.762)

Have a look what the booklet for
CIELCh(36, 36.331, 333.762)
contains.

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Color

CIELCh(36, 36.230, 333.700)

Conversions

Conversions Part 1

Format	Color
Hex	7B406F
RGB	123, 64, 111
RGB Percent	48%, 25%, 44%
CMY	0.5180, 0.7493, 0.5650
CMYK	0.00, 0.48, 0.10, 0.52
HSL	312°, 32%, 37%
HSV	312°, 48%, 48%
XYZ	12.8495, 9.0082, 16.0764
YIQ	86.9990, 20.0770, 27.1250

Conversions

Conversions Part 2

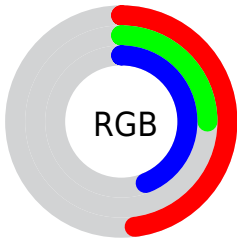
Format	Color
R_{YB}	123, 64, 111
Decimal	8077423
CIE Lab	36.00, 32.48, -16.05
CIE LCh	36, 36.230, 333.700
Yxy	9.0082, 0.3387, 0.2375
Android (android.graphics.Color)	4286267503 (0xFF7B406F)
YUV	86.9990, 11.8325, 31.5729
Hunter-Lab	30.0136, 23.8964, -10.7484

Details

The CIELCh color **36, 36.230, 333.700** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **47, 36.210, 146.659**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 36.205, 333.660**, and **16, 35.925, 333.636** is the 20% darker color. If you saturate the color by 10%, you get **33, 42.811, 334.406**, and if you desaturate by 10%, it is **39, 29.031, 333.020**.

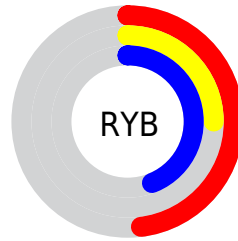
Distribution



Red (48%)

Green (25%)

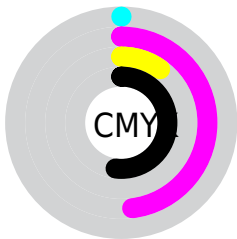
Blue (44%)



Red (48%)

Yellow (25%)

Blue (44%)

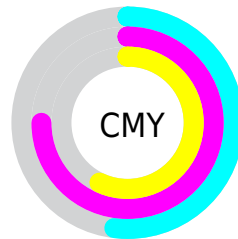


Cyan (0%)

Magenta (48%)

Yellow (10%)

Black (52%)



Cyan (52%)


Magenta (75%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 36.230, 333.700 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, 36.230, 333.700 by changing the saturation by 10% instead.


 36, 36.230,
333.700


 36, 36.230,
333.700

 100, 36.230,
333.700


 26, 36.230,
333.700

 56, 36.230,
333.700


 16, 36.230,
333.700


 66, 36.230,
333.700

 6, 36.230, 333.700

 76, 36.230,
333.700

 0, 36.230, 333.700

 86, 36.230,
333.700

 96, 36.230,
333.700

■ 36, 36.230,
333.700

■ 36, 36.230,
333.700

■ 33, 42.811,
334.406

■ 39, 29.031,
333.020

■ 31, 48.469,
335.146

■ 42, 21.483,
332.360

■ 29, 52.886,
335.937

■ 45, 13.788,
331.719

■ 28, 55.814,
336.804

■ 49, 6.092, 331.086

■ 52, 1.508, 150.676

■ 27, 57.485,
337.750

■ 56, 8.952, 149.992

■ 27, 57.812,
337.938

■ 60, 16.205,
149.442

■ 63, 23.252,
148.926

■ 67, 30.088,
148.438

Harmonies

Complementary

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



36, 36.230, 333.700



47, 36.210, 146.659

Rectangle

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



36, 36.230, 333.700



36, 36.230, 23.700



36, 36.230, 153.700



36, 36.230, 203.700

Sweetspot

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



36, 36.228, 333.700



60, 13.333, 331.488



31, 37.782, 302.251



30, 9.285, 331.603



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



36, 36.228, 333.700



44, 53.079, 334.510



35, 27.720, 1.876



24, 4.281, 331.154



27, 58.484, 337.958



57, 97.682, 338.604

Inverse Universe

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



36, 36.228, 333.700



44, 53.079, 334.510



47, 24.149, 171.087



24, 4.281, 331.154



27, 58.484, 337.958



57, 97.682, 338.604

Previews

White Background



This preview shows how the CIELCh color 36, 36.230, 333.700 looks on a white background.

Color Contrast Check

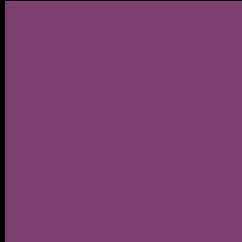
Large Text (above 18pt) WCAG AA ✓ Pass

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 36, 36.230, 333.700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

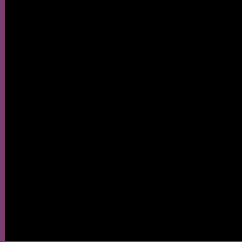
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 36.230, 333.700

Background



This preview shows how black text looks on a background with the CIELCh color 36, 36.230, 333.700.



This preview shows how white text looks on a background with the CIELCh color 36, 36.230, 333.700.

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, 36.230, 333.700

Protanopia

36, 26.202, 284.850

Deuteranopia

36, 14.894, 289.660



Tritanopia
36, 21.981, 13.640

Trichromacy



Original Color
36, 36.230, 333.700

Protanomaly
36, 27.885, 304.086

Deuteranomaly
36, 21.448, 314.514

Tritanomaly
36, 25.468, 353.850

Monochromacy



Original Color
36, 36.230, 333.700

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 13.715, 331.416

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 36.230, 333.700 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(123, 64, 111)` looks like.

```
.text, #text, p{  
    color:rgb(123, 64, 111)  
}
```

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(123, 64, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 64, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 36.230, 333.700 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(123, 64, 111) }
```

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

```
.border{ border-color:rgb(123, 64, 111) }
```

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

Here you see how a box with a 4 pixel rgb(123, 64, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 64, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 64, 111);  
box-shadow:4px 4px 4px 4px rgb(123, 64,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 36.230, 333.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 64, 111) }
```

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

```
.background{ background-color: rgb(123, 64,  
111) }
```

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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