

Converting Colors

CIELCh(36, 31.174, 333.570)

Have a look what the booklet for
CIELCh(36, 31.174, 333.570)
contains.

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Color

CIELCh(36, 30.834, 333.952)

Conversions

Conversions Part 1

Format	Color
Hex	76446B
RGB	118, 68, 107
RGB Percent	46%, 27%, 42%
CMY	0.5380, 0.7340, 0.5811
CMYK	0.00, 0.42, 0.09, 0.54
HSL	313°, 27%, 36%
HSV	313°, 42%, 46%
XYZ	12.1451, 9.0082, 14.9571
YIQ	87.3960, 17.2810, 22.7290

Conversions

Conversions Part 2

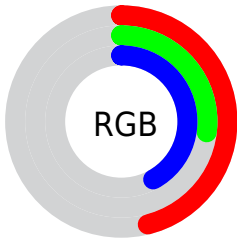
Format	Color
R_{YB}	118, 68, 107
Decimal	7750763
CIE _{Lab}	36.00, 27.70, -13.54
CIE _{LCh}	36, 30.834, 333.952
Yxy	9.0082, 0.3363, 0.2495
Android (android.graphics.Color)	4285940843 (0xFF76446B)
YUV	87.3960, 9.6648, 26.8397
Hunter-Lab	30.0136, 19.7071, -8.5373

Details

The CIELCh color **36, 30.834, 333.952** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **45, 30.712, 147.850**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 30.904, 334.093**, and **16, 30.783, 333.515** is the 20% darker color. If you saturate the color by 10%, you get **33, 37.497, 334.667**, and if you desaturate by 10%, it is **39, 23.736, 333.267**.

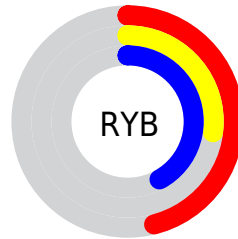
Distribution



Red (46%)

Green (27%)

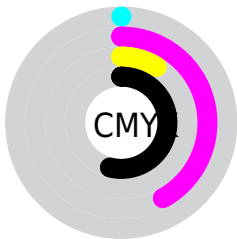
Blue (42%)



Red (46%)

Yellow (27%)

Blue (42%)

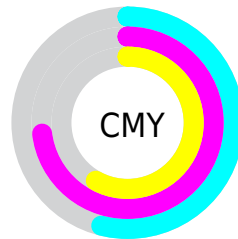


Cyan (0%)

Magenta (42%)

Yellow (9%)

Black (54%)



Cyan (54%)


Magenta (73%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 30.834, 333.952 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, 30.834, 333.952 by changing the saturation by 10% instead.


 36, 30.834,
333.952


 36, 30.834,
333.952

 100, 30.834,
333.952


 26, 30.834,
333.952

 56, 30.834,
333.952


 16, 30.834,
333.952


 66, 30.834,
333.952

 6, 30.834, 333.952

 76, 30.834,
333.952

 0, 30.834, 333.952

 86, 30.834,
333.952

 96, 30.834,
333.952

36, 30.834,
333.952

36, 30.834,
333.952

33, 37.497,
334.667

39, 23.736,
333.267

31, 43.457,
335.418

42, 16.426,
332.605

29, 48.406,
336.221

45, 9.065, 331.963

27, 52.058,
337.100

49, 1.761, 331.258

52, 5.414, 150.839


26, 54.231,
338.088

56, 12.419,
150.263

26, 55.460,
338.861

59, 19.231,
149.730

63, 25.844,
149.227

 66, 32.258,
148.753

Harmonies

Complementary

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



36, 30.834, 333.952



45, 30.712, 147.850

Rectangle

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



36, 30.834, 333.952



36, 30.834, 23.952



36, 30.834, 153.952



36, 30.834, 203.952

Sweetspot

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



36, 30.832, 333.952



58, 11.752, 332.020



32, 31.973, 302.122



29, 8.182, 332.135



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



36, 30.832, 333.952



44, 45.198, 334.656



35, 23.497, 2.091



23, 4.082, 331.745



27, 56.965, 338.914



56, 95.755, 339.657

Inverse Universe

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



36, 30.832, 333.952



44, 45.198, 334.656



46, 20.647, 172.971



23, 4.082, 331.745



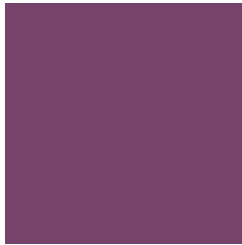
27, 56.965, 338.914



56, 95.755, 339.657

Previews

White Background



This preview shows how the CIELCh color 36, 30.834, 333.952 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, 30.834, 333.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

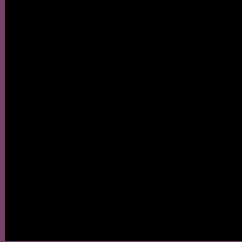
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 30.834, 333.952

Background



This preview shows how black text looks on a background with the CIELCh color 36, 30.834, 333.952.



This preview shows how white text looks on a background with the CIELCh color 36, 30.834, 333.952.

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, 30.834, 333.952

Protanopia

36, 21.820, 285.359

Deuteranopia

36, 13.071, 293.996



Tritanopia
36, 18.680, 13.122

Trichromacy



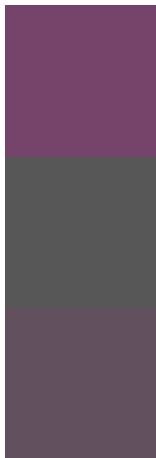
Original Color
36, 30.834, 333.952

Protanomaly
36, 23.632, 305.609

Deuteranomaly
36, 19.062, 316.119

Tritanomaly
36, 21.492, 354.225

Monochromacy



Original Color
36, 30.834, 333.952

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 11.527, 332.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 30.834, 333.952 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(118, 68, 107)` looks like.

```
.text, #text, p{  
    color:rgb(118, 68, 107)  
}
```

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(118, 68, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 68, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 30.834, 333.952 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(118, 68, 107) }
```

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

```
.border{ border-color:rgb(118, 68, 107) }
```

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

Here you see how a box with a 4 pixel rgb(118, 68, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 68, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 68, 107);  
box-shadow:4px 4px 4px 4px rgb(118, 68,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 30.834, 333.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 68, 107) }
```

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

```
.background{ background-color: rgb(118, 68,  
107) }
```

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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