

Converting Colors

CIELCh(36, 47.314, 333.031)

Have a look what the booklet for
CIELCh(36, 47.314, 333.031)
contains.

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Color

CIELCh(36, 47.179, 333.006)

Conversions

Conversions Part 1

Format	Color
Hex	853778
RGB	133, 55, 120
RGB Percent	52%, 22%, 47%
CMY	0.4798, 0.7856, 0.5307
CMYK	0.00, 0.59, 0.10, 0.48
HSL	310°, 42%, 37%
HSV	310°, 59%, 52%
XYZ	14.3397, 9.0082, 18.6490
YIQ	85.7320, 25.6230, 36.7510

Conversions

Conversions Part 2

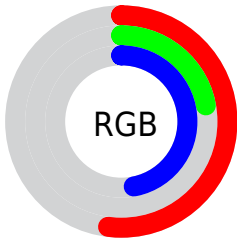
Format	Color
R _Y B	133, 55, 120
Decimal	8730488
CIE _{Lab}	36.00, 42.04, -21.41
CIE _{LCh}	36, 47.179, 333.006
Y _{xy}	9.0082, 0.3414, 0.2145
Android (android.graphics.Color)	4286920568 (0xFF853778)
Y _{UV}	85.7320, 16.8941, 41.4540
Hunter-Lab	30.0136, 32.7587, -15.8304

Details

The CIELCh color $[36, 47.179, 333.006]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[49, 47.662, 144.122]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[56, 47.442, 332.725]$, and $[17, 45.996, 333.322]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 53.196, 333.664]$, and if you desaturate by 10%, it is $[39, 40.106, 332.361]$.

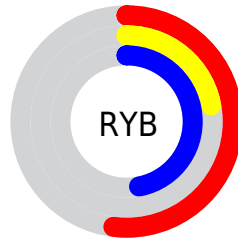
Distribution



Red (52%)

Green (22%)

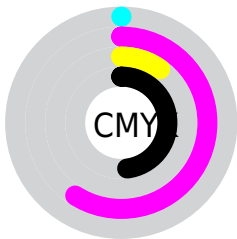
Blue (47%)



Red (52%)

Yellow (22%)

Blue (47%)

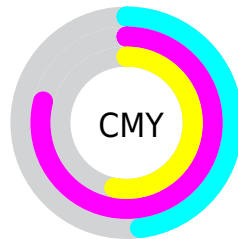


Cyan (0%)

Magenta (59%)

Yellow (10%)

Black (48%)



Cyan (48%)


Magenta (79%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 47.179, 333.006 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, 47.179, 333.006 by changing the saturation by 10% instead.


 36, 47.179,
333.006


 36, 47.179,
333.006

 100, 47.179,
333.006


 26, 47.179,
333.006

 56, 47.179,
333.006


 16, 47.179,
333.006


 66, 47.179,
333.006

 6, 47.179, 333.006

 76, 47.179,
333.006

 0, 47.179, 333.006

 86, 47.179,
333.006

 96, 47.179,
333.006

36, 47.179,
333.006

36, 47.179,
333.006

34, 53.196,
333.664

39, 40.106,
332.361

32, 57.828,
334.345

42, 32.321,
331.724

31, 60.828,
335.068

45, 24.118,
331.097

30, 62.491,
335.836

49, 15.728,
330.479

30, 62.688,
335.929

52, 7.318, 329.865

56, 0.999, 149.538

60, 9.151, 148.784

64, 17.099,
148.240

■ 67, 24.821,
147.728

Harmonies

Complementary

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



36, 47.179, 333.006



49, 47.662, 144.122

Rectangle

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



36, 47.179, 333.006



36, 47.179, 23.006



36, 47.179, 153.006



36, 47.179, 203.006

Sweetspot

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



36, 47.177, 333.006



63, 18.757, 330.456



28, 50.078, 302.332



31, 12.988, 330.611



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



36, 47.177, 333.006



44, 67.109, 333.923



35, 36.379, 0.455



26, 4.699, 329.886



29, 61.810, 335.912



0, 1.118, 329.381

Inverse Universe

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



36, 47.177, 333.006



44, 67.109, 333.923



50, 31.840, 166.157



26, 4.699, 329.886



29, 61.810, 335.912



0, 1.118, 329.381

Previews

White Background



This preview shows how the CIELCh color 36, 47.179, 333.006 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, 47.179, 333.006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

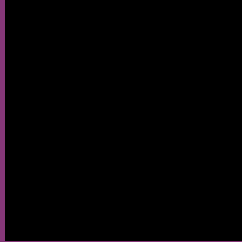
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 47.179, 333.006

Background



This preview shows how black text looks on a background with the CIELCh color 36, 47.179, 333.006.



This preview shows how white text looks on a background with the CIELCh color 36, 47.179, 333.006.

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, 47.179, 333.006

Protanopia

37, 37.336, 285.410

Deuteranopia

36, 19.315, 285.777



Tritanopia
36, 28.138, 18.266

Trichromacy



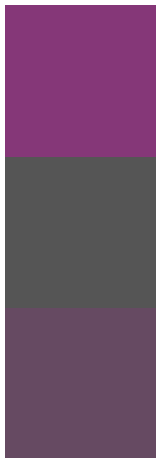
Original Color
36, 47.179, 333.006

Protanomaly
35, 38.952, 302.351

Deuteranomaly
35, 28.916, 312.318

Tritanomaly
36, 32.011, 356.296

Monochromacy



Original Color
36, 47.179, 333.006

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 18.847, 330.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 47.179, 333.006 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(133, 55, 120)` looks like.

```
.text, #text, p{  
    color:rgb(133, 55, 120)  
}
```

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(133, 55, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 55, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 47.179, 333.006 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(133, 55, 120) }
```

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

```
.border{ border-color:rgb(133, 55, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 55, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 55, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 55, 120);  
box-shadow:4px 4px 4px 4px rgb(133, 55,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 47.179, 333.006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 55, 120) }
```

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

```
.background{ background-color: rgb(133, 55,  
120) }
```

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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