

Converting Colors

$Y_{xy}(36.7966, 0.4340, 0.3064)$

Have a look what the booklet for
Yxy(36.7966, 0.4340, 0.3064)
contains.

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Color

Yxy(36.7195, 0.4337, 0.3064)

Conversions

Conversions Part 1

Format	Color
Hex	FB7B91
RGB	251, 123, 145
RGB Percent	98%, 48%, 57%
CMY	0.0157, 0.5176, 0.4313
CMYK	0.00, 0.51, 0.42, 0.02
HSL	350°, 94%, 73%
HSV	350°, 51%, 98%
XYZ	51.9753, 36.7195, 31.1469
YIQ	163.7800, 69.2260, 33.9780

Conversions

Conversions Part 2

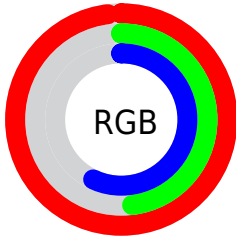
Format	Color
R _Y B	251, 123, 145
Decimal	16481169
CIE Lab	67.07, 50.83, 11.44
CIE LCh	67, 52.102, 12.681
Yxy	36.7195, 0.4337, 0.3064
Android (android.graphics.Color)	4294671249 (0xFFFB7B91)
YUV	163.7800, -9.2585, 76.4919
Hunter-Lab	60.5966, 47.0602, 11.9424

Details

The Yxy color **36.7195, 0.4337, 0.3064** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.8533, 0.2559, 0.3552**, and the grayscale version is **37.0375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2243, 0.3623, 0.3073**, and **16.1588, 0.4718, 0.2969** is the 20% darker color. If you saturate the color by 10%, you get **30.6878, 0.4730, 0.3037**, and if you desaturate by 10%, it is **44.4682, 0.3996, 0.3104**.

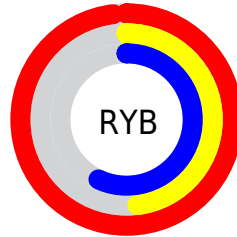
Distribution



Red (98%)

Green (48%)

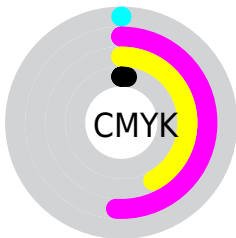
Blue (57%)



Red (98%)

Yellow (48%)

Blue (57%)

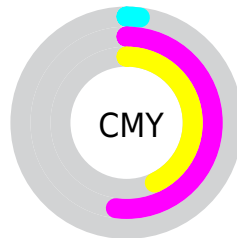


Cyan (0%)

Magenta (51%)

Yellow (42%)

Black (2%)



Cyan (2%)


Magenta (52%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7195, 0.4337, 0.3064 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 Yxy color 36.7195, 0.4337, 0.3064 by changing the saturation by 10% instead.


 36.7195, 0.4337,
0.3064

 36.7195, 0.4337,
0.3064


332.0945, 0.3705,
0.3198


 24.9904, 0.4502,
0.3024


 70.1412, 0.4102,
0.3118

 16.0699, 0.4717,
0.2968


 92.6025, 0.4015,
0.3137

 9.5736, 0.5009,
0.2886


 119.4100, 0.3942,
0.3152

 5.1172, 0.5421,
0.2760

150.9482, 0.3880,
0.3164

 2.3162, 0.6040,
0.2545

187.6013, 0.3827,
0.3175

 0.7823, 0.7556,
0.2292

229.7538, 0.3781,


 0.0000, 1.0000,


0.3184

0.0000


277.7901, 0.3740,
0.3192


 0.0000, 0.0000,
0.0000

 36.7195, 0.4337,
0.3064


 36.7195, 0.4337,
0.3064


 30.6878, 0.4730,
0.3037

 44.4682, 0.3996,
0.3104


 26.2364, 0.5157,
0.3032


 54.0455, 0.3712,
0.3150


 23.2173, 0.5578,
0.3057

 65.5601, 0.3479,
0.3197

 21.4512, 0.5941,
0.3112

 79.1109, 0.3292,
0.3243

 20.6823, 0.6180,
0.3178

 94.7896, 0.3140,
0.3286

99.2466, 0.3102,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.7195, 0.3613, 0.2573



36.7195, 0.4337, 0.3064



36.7195, 0.4680, 0.3630

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.7195, 0.4337, 0.3064



36.7195, 0.3277, 0.4708



36.7195, 0.1851, 0.2225

Complementary

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



36.7195, 0.4337, 0.3064



78.8533, 0.2559, 0.3552

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.7195, 0.1788, 0.2641



36.7195, 0.4337, 0.3064



36.7195, 0.2551, 0.4204

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



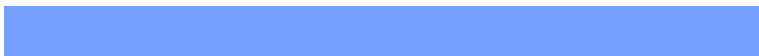
36.7195, 0.4337, 0.3064



36.7195, 0.4002, 0.4641



36.7195, 0.2021, 0.3365



36.7195, 0.2198, 0.2104

Rectangle

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



36.7195, 0.4337, 0.3064



36.7195, 0.4631, 0.4014



36.7195, 0.2021, 0.3365



36.7195, 0.1798, 0.2328

Sweetspot

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



36.7214, 0.4337, 0.3064



76.1024, 0.3362, 0.3225



37.5501, 0.2974, 0.1982



15.6556, 0.3402, 0.3215



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



36.7214, 0.4337, 0.3064



31.7809, 0.4733, 0.3037



48.3233, 0.4351, 0.3718



17.2739, 0.3267, 0.3249



10.8873, 0.6148, 0.3160



1.0215, 0.5848, 0.2995

Inverse Universe

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



36.7214, 0.4337, 0.3064



31.7809, 0.4733, 0.3037



57.4977, 0.2366, 0.2791



17.2739, 0.3267, 0.3249



10.8873, 0.6148, 0.3160



1.0215, 0.5848, 0.2995

Previews

White Background



This preview shows how the Yxy color 36.7195, 0.4337, 0.3064 looks on a white background.

Color Contrast Check

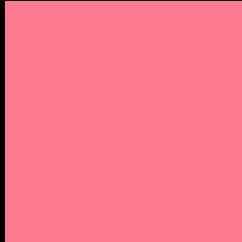
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 36.7195, 0.4337, 0.3064 looks on a black 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

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

Yxy 36.7195, 0.4337, 0.3064

Background



This preview shows how black text looks on a background with the Yxy color 36.7195, 0.4337, 0.3064.



This preview shows how white text looks on a background with the Yxy color 36.7195, 0.4337, 0.3064.

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

36.7195, 0.4337, 0.3064

Protanopia

37.0914, 0.3120, 0.3233

Deuteranopia

36.6694, 0.3614, 0.3538



Tritanopia

36.7125, 0.4451, 0.3200

Trichromacy



Original Color

36.7195, 0.4337, 0.3064



Protanomaly

35.5533, 0.3529, 0.3147



Deuteranomaly

36.0228, 0.3878, 0.3343



Tritanomaly

36.5743, 0.4408, 0.3148

Monochromacy



Original Color

36.7195, 0.4337, 0.3064



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.6650, 0.3537, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7195, 0.4337, 0.3064 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(251, 123, 145)` looks like.

```
.text, #text, p{  
    color:rgb(251, 123, 145)  
}
```

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(251, 123, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 123, 145) }
```

Border

The CSS property to change the border of an element to Yxy 36.7195, 0.4337, 0.3064 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(251, 123, 145) }
```

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

```
.border{ border-color:rgb(251, 123, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 123, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(251, 123, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(251, 123, 145); box-shadow:4px 4px 4px 4px rgb(251, 123, 145) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7195, 0.4337, 0.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 123, 145) }
```

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

```
.background{ background-color: rgb(251,  
123, 145) }
```

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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