

Converting Colors

$Y_{xy}(37.1201, 0.4750, 0.3000)$

Have a look what the booklet for
Yxy(37.1201, 0.4750, 0.3000)
contains.

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Color

Yxy(32.9668, 0.4567, 0.2969)

Conversions

Conversions Part 1

Format	Color
Hex	FF6889
RGB	255, 104, 137
RGB Percent	100%, 41%, 54%
CMY	0.0000, 0.5922, 0.4627
CMYK	0.00, 0.59, 0.46, 0.00
HSL	347°, 100%, 70%
HSV	347°, 59%, 100%
XYZ	50.7105, 32.9668, 27.3594
YIQ	152.9110, 79.4030, 42.2750

Conversions

Conversions Part 2

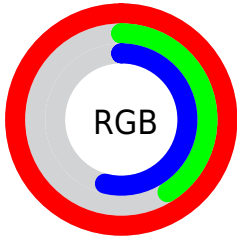
Format	Color
R _Y B	255, 104, 137
Decimal	16738441
CIE Lab	64.13, 60.12, 11.96
CIE LCh	64, 61.302, 11.247
Yxy	32.9668, 0.4567, 0.2969
Android (android.graphics.Color)	4294928521 (0xFFFF6889)
YUV	152.9110, -7.8441, 89.5321
Hunter-Lab	57.4167, 57.1720, 11.9396

Details

The Yxy color **32.9668, 0.4567, 0.2969** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.7358, 0.2530, 0.3692**, and the grayscale version is **31.8210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4674, 0.3747, 0.2989**, and **13.9023, 0.5036, 0.2840** is the 20% darker color. If you saturate the color by 10%, you get **28.0653, 0.4967, 0.2952**, and if you desaturate by 10%, it is **39.5227, 0.4205, 0.3009**.

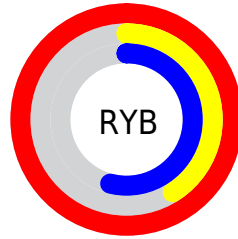
Distribution



Red (100%)

Green (41%)

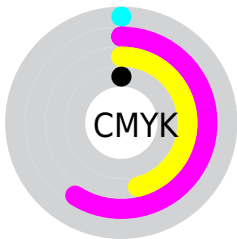
Blue (54%)



Red (100%)

Yellow (41%)

Blue (54%)

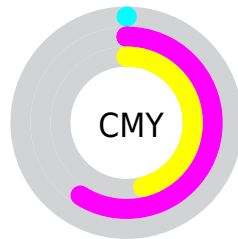


Cyan (0%)

Magenta (59%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9668, 0.4567, 0.2969 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 32.9668, 0.4567, 0.2969 by changing the saturation by 10% instead.


 32.9668, 0.4567,
0.2969


 32.9668, 0.4567,
0.2969


315.5001, 0.3804,
0.3160

 22.1010, 0.4769,
0.2912


 64.3237, 0.4281,
0.3046


 13.9311, 0.5033,
0.2832


 85.5836, 0.4176,
0.3072

 8.0728, 0.5392,
0.2716

 111.0770, 0.4088,
0.3094

 4.1416, 0.5900,
0.2537

 141.1882, 0.4014,
0.3111

 1.7531, 0.6656,
0.2237

176.3018, 0.3950,
0.3126

 0.4577, 0.8405,
0.1595

216.8020, 0.3895,


 0.0000, 1.0000,

0.3139


0.0000


263.0733, 0.3847,
0.3150


 0.0000, 0.0000,
0.0000


 32.9668, 0.4567,
0.2969


 32.9668, 0.4567,
0.2969


 28.0653, 0.4967,
0.2952


 39.5227, 0.4205,
0.3009

 24.6715, 0.5376,
0.2969


 47.8689, 0.3895,
0.3063


 22.6057, 0.5751,
0.3024

 58.1231, 0.3637,
0.3122

 21.6017, 0.6046,
0.3109

 70.3937, 0.3426,
0.3182

 21.5431, 0.6066,
0.3116

 84.7811, 0.3255,
0.3240

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



32.9668, 0.3660, 0.2416



32.9668, 0.4567, 0.2969



32.9668, 0.4997, 0.3611

Triad

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



32.9668, 0.4567, 0.2969



32.9668, 0.3310, 0.5059



32.9668, 0.1621, 0.2034

Complementary

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



32.9668, 0.4567, 0.2969



79.7358, 0.2530, 0.3692

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.



32.9668, 0.1558, 0.2519



32.9668, 0.4567, 0.2969



32.9668, 0.2450, 0.4477

Square

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



32.9668, 0.4567, 0.2969



32.9668, 0.4169, 0.4875



32.9668, 0.1826, 0.3410



32.9668, 0.1997, 0.1897

Rectangle

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



32.9668, 0.4567, 0.2969



32.9668, 0.4933, 0.4059



32.9668, 0.1826, 0.3410



32.9668, 0.1566, 0.2153

Sweetspot

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



32.9655, 0.4567, 0.2969



72.0316, 0.3403, 0.3189



32.2982, 0.2869, 0.1767



14.5916, 0.3459, 0.3172



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.



32.9655, 0.4567, 0.2969



27.3551, 0.5040, 0.2953



42.2852, 0.4696, 0.3694



18.0521, 0.3260, 0.3238



11.2746, 0.6029, 0.3095



1.1132, 0.5724, 0.2927

Inverse Universe

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



32.9655, 0.4567, 0.2969



27.3551, 0.5040, 0.2953



58.6268, 0.2285, 0.2792



18.0521, 0.3260, 0.3238



11.2746, 0.6029, 0.3095



1.1132, 0.5724, 0.2927

Previews

White Background



This preview shows how the Yxy color 32.9668, 0.4567, 0.2969 looks on a white background.

Color Contrast Check

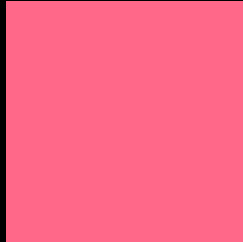
Large Text (above 18pt) WCAG AA × Fail

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 32.9668, 0.4567, 0.2969 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 32.9668, 0.4567, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 32.9668, 0.4567, 0.2969.



This preview shows how white text looks on a background with the Yxy color 32.9668, 0.4567, 0.2969.

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

32.9668, 0.4567, 0.2969

Protanopia

33.2272, 0.3047, 0.3142

Deuteranopia

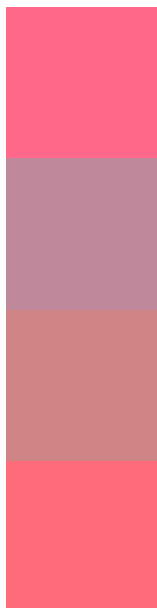
33.1277, 0.3645, 0.3577



Tritanopia

33.0338, 0.4819, 0.3227

Trichromacy



Original Color

32.9668, 0.4567, 0.2969

Protanomaly

31.1813, 0.3548, 0.3035

Deuteranomaly

31.7339, 0.3979, 0.3293

Tritanomaly

33.0163, 0.4724, 0.3138

Monochromacy



Original Color

32.9668, 0.4567, 0.2969

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.3817, 0.3619, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9668, 0.4567, 0.2969 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(255, 104, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 137)  
}
```

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(255, 104, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 137) }
```

Border

The CSS property to change the border of an element to Yxy 32.9668, 0.4567, 0.2969 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(255, 104, 137) }
```

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

```
.border{ border-color:rgb(255, 104, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 104, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 104, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 104, 137); box-shadow:4px 4px 4px 4px rgb(255, 104, 137) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9668, 0.4567, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 137) }
```

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

```
.background{ background-color: rgb(255,  
104, 137) }
```

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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