

Converting Colors

$Y_{xy}(33.8744, 0.4650, 0.3108)$

Have a look what the booklet for
Yxy(33.8744, 0.4650, 0.3108)
contains.

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Color

Yxy(33.9704, 0.4653, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	FF6E80
RGB	255, 110, 128
RGB Percent	100%, 43%, 50%
CMY	0.0000, 0.5686, 0.4981
CMYK	0.00, 0.57, 0.50, 0.00
HSL	353°, 100%, 72%
HSV	353°, 57%, 100%
XYZ	50.7104, 33.9704, 24.3035
YIQ	155.4070, 80.6420, 36.3380

Conversions

Conversions Part 2

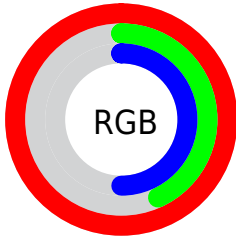
Format	Color
RYB	255, 110, 128
Decimal	16739968
CIELab	64.94, 56.65, 18.23
CIElCh	65, 59.515, 17.837
Yxy	33.9704, 0.4653, 0.3117
Android (android.graphics.Color)	4294930048 (0xFFFF6E80)
YUV	155.4070, -13.5117, 87.3431
Hunter-Lab	58.2841, 53.3075, 16.0760

Details

The Yxy color **33.9704, 0.4653, 0.3117** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **80.9477, 0.2487, 0.3502**, and the grayscale version is **33.0045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8686, 0.3820, 0.3134**, and **14.4482, 0.5140, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **28.7133, 0.5093, 0.3109**, and if you desaturate by 10%, it is **40.9433, 0.4256, 0.3139**.

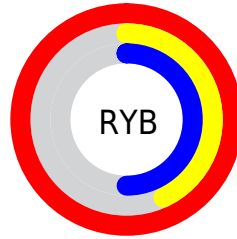
Distribution



Red (100%)

Green (43%)

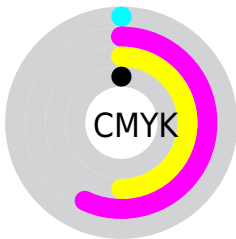
Blue (50%)



Red (100%)

Yellow (43%)

Blue (50%)

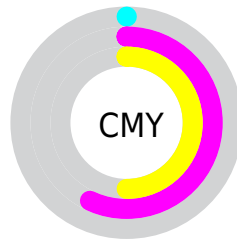


Cyan (0%)

Magenta (57%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (57%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9704, 0.4653, 0.3117 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 33.9704, 0.4653, 0.3117 by changing the saturation by 10% instead.


 33.9704, 0.4653,
0.3117


 33.9704, 0.4653,
0.3117


320.0000, 0.3846,
0.3240


 22.8709, 0.4864,
0.3073


 65.8876, 0.4351,
0.3171

 14.4982, 0.5140,
0.3010


 87.4741, 0.4241,
0.3189

 8.4680, 0.5510,
0.2912

 113.3250, 0.4148,
0.3202

 4.3958, 0.6027,
0.2751

143.8248, 0.4069,
0.3213

 1.8974, 0.6828,
0.2483

179.3578, 0.4002,
0.3222

 0.5468, 0.8151,
0.1849

220.3084, 0.3943,

 0.0000, 1.0000,

0.3229


0.0000


267.0610, 0.3892,
0.3235


 0.0000, 0.0000,
0.0000


 33.9704, 0.4653,
0.3117


 33.9704, 0.4653,
0.3117


 28.7133, 0.5093,
0.3109


 40.9433, 0.4256,
0.3139

 25.0179, 0.5538,
0.3122


 49.7576, 0.3917,
0.3170

 22.7122, 0.5930,
0.3159

 60.5335, 0.3638,
0.3203

 21.5771, 0.6211,
0.3215

 73.3796, 0.3412,
0.3237

 21.3612, 0.6274,
0.3230

 88.3962, 0.3231,
0.3269

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



33.9704, 0.3852, 0.2552



33.9704, 0.4653, 0.3117



33.9704, 0.4939, 0.3754

Triad

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



33.9704, 0.4653, 0.3117



33.9704, 0.3122, 0.4927



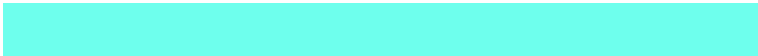
33.9704, 0.1721, 0.2021

Complementary

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



33.9704, 0.4653, 0.3117



80.9477, 0.2487, 0.3502

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.



33.9704, 0.1593, 0.2414



33.9704, 0.4653, 0.3117



33.9704, 0.2319, 0.4218

Square

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



33.9704, 0.4653, 0.3117



33.9704, 0.3971, 0.4908



33.9704, 0.1783, 0.3193



33.9704, 0.2157, 0.1948

Rectangle

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



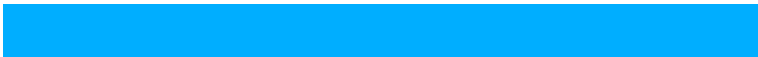
33.9704, 0.4653, 0.3117



33.9704, 0.4801, 0.4189



33.9704, 0.1783, 0.3193



33.9704, 0.1644, 0.2112

Sweetspot

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



33.9722, 0.4653, 0.3117



73.1833, 0.3415, 0.3236



36.1500, 0.3014, 0.1875



15.0765, 0.3457, 0.3230



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.



33.9722, 0.4653, 0.3117



28.2158, 0.5144, 0.3109



48.6412, 0.4504, 0.3831



18.0237, 0.3275, 0.3261



11.1736, 0.6249, 0.3216



1.0989, 0.6004, 0.3081

Inverse Universe

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



33.9722, 0.4653, 0.3117



28.2158, 0.5144, 0.3109



52.6993, 0.2271, 0.2627



18.0237, 0.3275, 0.3261



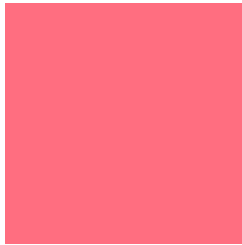
11.1736, 0.6249, 0.3216



1.0989, 0.6004, 0.3081

Previews

White Background



This preview shows how the Yxy color 33.9704, 0.4653, 0.3117 looks on a white background.

Color Contrast Check

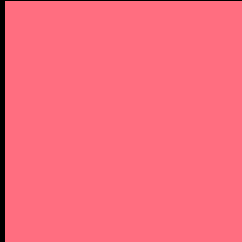
Large Text (above 18pt) WCAG AA × Fail

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 33.9704, 0.4653, 0.3117 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 33.9704, 0.4653, 0.3117

Background



This preview shows how black text looks on a background with the Yxy color 33.9704, 0.4653, 0.3117.



This preview shows how white text looks on a background with the Yxy color 33.9704, 0.4653, 0.3117.

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

33.9704, 0.4653, 0.3117

Protanopia

34.0623, 0.3222, 0.3364

Deuteranopia

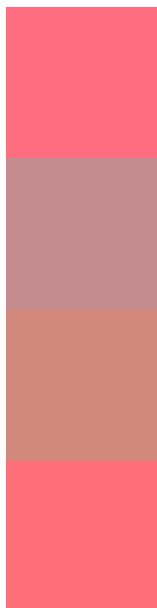
34.1512, 0.3783, 0.3725



Tritanopia

33.9911, 0.4745, 0.3226

Trichromacy



Original Color

33.9704, 0.4653, 0.3117

Protanomaly

32.4751, 0.3715, 0.3252

Deuteranomaly

33.0482, 0.4097, 0.3457

Tritanomaly

33.8449, 0.4714, 0.3186

Monochromacy



Original Color

33.9704, 0.4653, 0.3117

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.5859, 0.3641, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9704, 0.4653, 0.3117 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, 110, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 128)  
}
```

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, 110, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 128) }
```

Border

The CSS property to change the border of an element to Yxy 33.9704, 0.4653, 0.3117 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, 110, 128) }
```

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

```
.border{ border-color:rgb(255, 110, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 110, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9704, 0.4653, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 128) }
```

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

```
.background{ background-color: rgb(255,  
110, 128) }
```

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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