

Converting Colors

$Y_{xy}(33.3725, 0.4751, 0.3167)$

Have a look what the booklet for
Yxy(33.3725, 0.4751, 0.3167)
contains.

Yxy(33.3656, 0.4753, 0.3168)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.3656, 0.4753, 0.3168)

Conversions

Conversions Part 1

Format	Color
Hex	FF6C79
RGB	255, 108, 121
RGB Percent	100%, 42%, 47%
CMY	0.0000, 0.5765, 0.5254
CMYK	0.00, 0.58, 0.53, 0.00
HSL	355°, 100%, 71%
HSV	355°, 58%, 100%
XYZ	50.0589, 33.3656, 21.8962
YIQ	153.4350, 83.4390, 35.2070

Conversions

Conversions Part 2

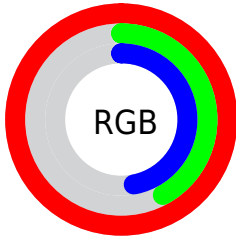
Format	Color
R_{YB}	255, 108, 121
Decimal	16739449
CIE _{Lab}	64.46, 56.99, 21.54
CIE _{LCh}	64, 60.929, 20.706
Yxy	33.3656, 0.4753, 0.3168
Android (android.graphics.Color)	4294929529 (0xFFFF6C79)
YUV	153.4350, -15.9905, 89.0725
Hunter-Lab	57.7630, 53.6077, 17.9590

Details

The Yxy color **33.3656, 0.4753, 0.3168** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **81.1170, 0.2460, 0.3442**, and the grayscale version is **32.0967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8280, 0.3904, 0.3198**, and **14.1861, 0.5263, 0.3063** is the 20% darker color. If you saturate the color by 10%, you get **28.2468, 0.5210, 0.3165**, and if you desaturate by 10%, it is **40.1918, 0.4335, 0.3182**.

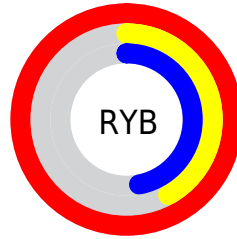
Distribution



Red (100%)

Green (42%)

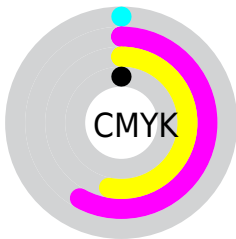
Blue (47%)



Red (100%)

Yellow (42%)

Blue (47%)

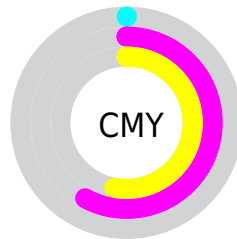


Cyan (0%)

Magenta (58%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (58%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3656, 0.4753, 0.3168 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 33.3656, 0.4753, 0.3168 by changing the saturation by 10% instead.


 33.3656, 0.4753,
0.3168


 33.3656, 0.4753,
0.3168


317.2939, 0.3892,
0.3272


 22.4067, 0.4978,
0.3126


 64.9459, 0.4431,
0.3217

 14.1560, 0.5271,
0.3064


 86.3361, 0.4313,
0.3232

 8.2293, 0.5662,
0.2964

 111.9721, 0.4214,
0.3244

 4.2420, 0.6202,
0.2794

 142.2384, 0.4130,
0.3252

 1.8098, 0.7126,
0.2542

177.5193, 0.4058,
0.3259

 0.4933, 0.8250,
0.1750

218.1993, 0.3995,

 0.0000, 1.0000,

0.3265

0.0000

264.6627, 0.3940,
0.3269

■ 0.0000, 0.0000,
0.0000

■ 33.3656, 0.4753,
0.3168

■ 33.3656, 0.4753,
0.3168

■ 28.2468, 0.5210,
0.3165

■ 40.1918, 0.4335,
0.3182

■ 24.6872, 0.5660,
0.3179

■ 48.8622, 0.3976,
0.3203

■ 22.5075, 0.6038,
0.3209

■ 59.4961, 0.3680,
0.3226

■ 21.4742, 0.6286,
0.3251

■ 72.2035, 0.3440,
0.3250

■ 21.3202, 0.6326,
0.3258

■ 87.0865, 0.3248,
0.3273

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.



33.3656, 0.3965, 0.2582



33.3656, 0.4753, 0.3168



33.3656, 0.4983, 0.3820

Triad

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



33.3656, 0.4753, 0.3168



33.3656, 0.3031, 0.4944



33.3656, 0.1717, 0.1969

Complementary

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



33.3656, 0.4753, 0.3168



81.1170, 0.2460, 0.3442

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.



33.3656, 0.1556, 0.2333



33.3656, 0.4753, 0.3168



33.3656, 0.2228, 0.4149

Square

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



33.3656, 0.4753, 0.3168



33.3656, 0.3907, 0.4983



33.3656, 0.1715, 0.3093



33.3656, 0.2191, 0.1924

Rectangle

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



33.3656, 0.4753, 0.3168



33.3656, 0.4802, 0.4266



33.3656, 0.1715, 0.3093



33.3656, 0.1629, 0.2051

Sweetspot

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



33.3644, 0.4753, 0.3168



73.1037, 0.3426, 0.3252



36.5212, 0.3057, 0.1878



15.0580, 0.3470, 0.3247



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.



33.3644, 0.4753, 0.3168



27.6788, 0.5272, 0.3166



49.9051, 0.4496, 0.3886



18.0132, 0.3280, 0.3269



11.1491, 0.6305, 0.3247



1.0940, 0.6111, 0.3140

Inverse Universe

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



33.3644, 0.4753, 0.3168



27.6788, 0.5272, 0.3166



49.9765, 0.2247, 0.2551



18.0132, 0.3280, 0.3269



11.1491, 0.6305, 0.3247



1.0940, 0.6111, 0.3140

Previews

White Background



This preview shows how the Yxy color 33.3656, 0.4753, 0.3168 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 33.3656, 0.4753, 0.3168 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 33.3656, 0.4753, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 33.3656, 0.4753, 0.3168.



This preview shows how white text looks on a background with the Yxy color 33.3656, 0.4753, 0.3168.

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

33.3656, 0.4753, 0.3168

Protanopia

33.4719, 0.3299, 0.3470

Deuteranopia

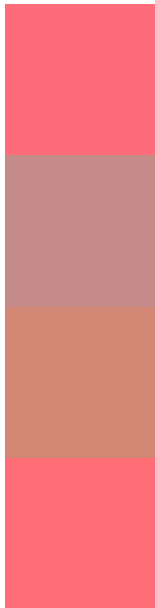
33.3419, 0.3864, 0.3795



Tritanopia

33.4582, 0.4809, 0.3227

Trichromacy



Original Color

33.3656, 0.4753, 0.3168

Protanomaly

31.9786, 0.3797, 0.3332

Deuteranomaly

32.3139, 0.4188, 0.3520

Tritanomaly

33.5053, 0.4785, 0.3208

Monochromacy



Original Color

33.3656, 0.4753, 0.3168

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.7616, 0.3681, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3656, 0.4753, 0.3168 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, 108, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 121)  
}
```

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, 108, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 121) }
```

Border

The CSS property to change the border of an element to Yxy 33.3656, 0.4753, 0.3168 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, 108, 121) }
```

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

```
.border{ border-color:rgb(255, 108, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 108, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 108, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 108, 121); box-shadow:4px 4px 4px 4px rgb(255, 108, 121) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3656, 0.4753, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 108, 121) }
```

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

```
.background{ background-color: rgb(255,  
108, 121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor