

Converting Colors

$Y_{xy}(32.5630, 0.4998, 0.3334)$

Have a look what the booklet for
Yxy(32.5630, 0.4998, 0.3334)
contains.

Yxy(32.5274, 0.4999, 0.3333)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.5274, 0.4999, 0.3333)

Conversions

Conversions Part 1

Format	Color
Hex	FF6A66
RGB	255, 106, 102
RGB Percent	100%, 42%, 40%
CMY	0.0001, 0.5842, 0.6000
CMYK	0.00, 0.58, 0.60, 0.00
HSL	2°, 100%, 70%
HSV	2°, 60%, 100%
XYZ	48.7862, 32.5274, 16.2783
YIQ	150.0950, 90.0880, 30.3440

Conversions

Conversions Part 2

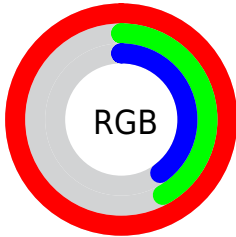
Format	Color
R _Y B	255, 106, 102
Decimal	16738918
CIE Lab	63.78, 56.47, 31.40
CIE LCh	64, 64.612, 29.074
Yxy	32.5274, 0.4999, 0.3333
Android (android.graphics.Color)	4294928998 (0xFFFF6A66)
YUV	150.0950, -23.7108, 92.0017
Hunter-Lab	57.0328, 52.8826, 23.0004

Details

The Yxy color **32.5274, 0.4999, 0.3333** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **79.0072, 0.2379, 0.3241**, and the grayscale version is **30.6199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4006, 0.4108, 0.3388**, and **13.6789, 0.5572, 0.3240** is the 20% darker color. If you saturate the color by 10%, you get **27.6996, 0.5477, 0.3334**, and if you desaturate by 10%, it is **38.9951, 0.4540, 0.3328**.

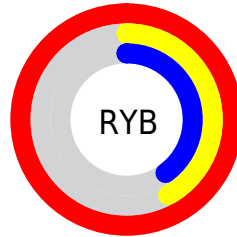
Distribution



Red (100%)

Green (42%)

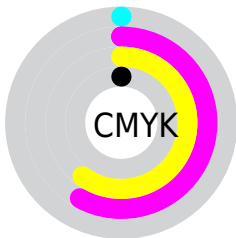
Blue (40%)



Red (100%)

Yellow (42%)

Blue (40%)

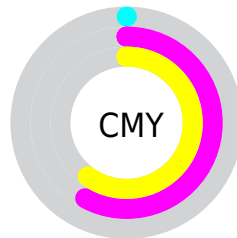


Cyan (0%)

Magenta (58%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (58%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5274, 0.4999, 0.3333 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 32.5274, 0.4999, 0.3333 by changing the saturation by 10% instead.


 32.5274, 0.4999,
0.3333


 32.5274, 0.4999,
0.3333


313.5148, 0.4010,
0.3375


 21.7647, 0.5253,
0.3298


 63.6370, 0.4632,
0.3366


 13.6841, 0.5577,
0.3238


 84.7526, 0.4496,
0.3373

 7.9013, 0.5999,
0.3131


 110.0880, 0.4382,
0.3377

 4.0318, 0.6569,
0.2942

 140.0275, 0.4285,
0.3378

 1.6914, 0.7394,
0.2606

174.9555, 0.4201,
0.3379

 0.4181, 0.8381,
0.1619

215.2565, 0.4129,


 0.0000, 1.0000,


0.3378


0.0000


261.3148, 0.4066,
0.3377


 0.0000, 0.0000,
0.0000


 32.5274, 0.4999,
0.3333


 32.5274, 0.4999,
0.3333

 27.6996, 0.5477,
0.3334


 38.9951, 0.4540,
0.3328


 24.3597, 0.5912,
0.3329

 47.2262, 0.4136,
0.3321


 22.3369, 0.6228,
0.3319

 57.3387, 0.3799,
0.3313

 21.4015, 0.6388,
0.3310

 69.4388, 0.3524,
0.3305

 21.4012, 0.6388,
0.3310

 83.6248, 0.3304,
0.3297

99.9885, 0.3127,
0.3290

99.9956, 0.3127,
0.3290

Harmonies

Analogous

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



32.5274, 0.4298, 0.2698



32.5274, 0.4999, 0.3333



32.5274, 0.5043, 0.4024

Triad

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



32.5274, 0.4999, 0.3333



32.5274, 0.2755, 0.4911



32.5274, 0.1745, 0.1852

Complementary

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



32.5274, 0.4999, 0.3333



79.0072, 0.2379, 0.3241

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.



32.5274, 0.1489, 0.2124



32.5274, 0.4999, 0.3333



32.5274, 0.1978, 0.3886

Square

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



32.5274, 0.4999, 0.3333



32.5274, 0.3683, 0.5165



32.5274, 0.1553, 0.2799



32.5274, 0.2335, 0.1890

Rectangle

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



32.5274, 0.4999, 0.3333



32.5274, 0.4743, 0.4492



32.5274, 0.1553, 0.2799



32.5274, 0.1624, 0.1905

Sweetspot

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



32.5292, 0.4999, 0.3333



72.1138, 0.3476, 0.3303



37.8145, 0.3216, 0.1911



14.6105, 0.3547, 0.3306



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.



32.5292, 0.4999, 0.3333



26.9210, 0.5571, 0.3333



55.2790, 0.4440, 0.4079



18.0636, 0.3294, 0.3297



11.2181, 0.6382, 0.3314



1.1180, 0.6339, 0.3349

Inverse Universe

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



79.0072, 0.2379, 0.3241



77.0506, 0.2302, 0.3230



41.0710, 0.2162, 0.2275



20.3946, 0.2980, 0.3283



38.9819, 0.2224, 0.3207



3.8204, 0.2227, 0.3217

Previews

White Background



This preview shows how the Yxy color 32.5274, 0.4999, 0.3333 looks on a white background.

Color Contrast Check

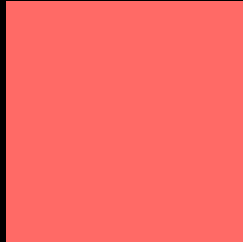
Large Text (above 18pt) WCAG AA × Fail

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 32.5274, 0.4999, 0.3333 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 32.5274, 0.4999, 0.3333

Background



This preview shows how black text looks on a background with the Yxy color 32.5274, 0.4999, 0.3333.



This preview shows how white text looks on a background with the Yxy color 32.5274, 0.4999, 0.3333.

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

32.5274, 0.4999, 0.3333

Protanopia

32.8472, 0.3546, 0.3787

Deuteranopia

32.5708, 0.4088, 0.4017



Tritanopia

32.5330, 0.4884, 0.3229

Trichromacy



Original Color

32.5274, 0.4999, 0.3333

Protanomaly

31.1349, 0.4069, 0.3586

Deuteranomaly

31.6539, 0.4437, 0.3721

Tritanomaly

32.4459, 0.4934, 0.3267

Monochromacy



Original Color

32.5274, 0.4999, 0.3333

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.4350, 0.3762, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5274, 0.4999, 0.3333 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, 106, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 102)  
}
```

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, 106, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 102) }
```

Border

The CSS property to change the border of an element to Yxy 32.5274, 0.4999, 0.3333 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, 106, 102) }
```

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

```
.border{ border-color:rgb(255, 106, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 106, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
102) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.5274, 0.4999, 0.3333$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 102) }
```

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

```
.background{ background-color: rgb(255,  
106, 102) }
```

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