

Converting Colors

$Y_{xy}(32.2356, 0.4739, 0.3076)$

Have a look what the booklet for
Yxy(32.2356, 0.4739, 0.3076)
contains.

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Color

Yxy(32.2434, 0.4735, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	FF667D
RGB	255, 102, 125
RGB Percent	100%, 40%, 49%
CMY	0.0000, 0.6000, 0.5097
CMYK	0.00, 0.60, 0.51, 0.00
HSL	351°, 100%, 70%
HSV	351°, 60%, 100%
XYZ	49.6981, 32.2434, 23.0175
YIQ	150.3690, 83.8050, 39.5890

Conversions

Conversions Part 2

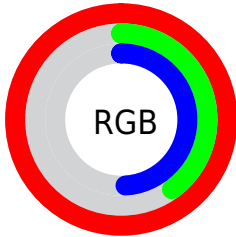
Format	Color
R _Y B	255, 102, 125
Decimal	16737917
CIE Lab	63.54, 59.95, 18.00
CIE LCh	64, 62.598, 16.714
Yxy	32.2434, 0.4735, 0.3072
Android (android.graphics.Color)	4294927997 (0xFFFF667D)
YUV	150.3690, -12.5069, 91.7614
Hunter-Lab	56.7833, 56.8567, 15.7147

Details

The Yxy color **32.2434, 0.4735, 0.3072** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **80.1682, 0.2482, 0.3566**, and the grayscale version is **30.6908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2306, 0.3881, 0.3103**, and **13.5152, 0.5266, 0.2950** is the 20% darker color. If you saturate the color by 10%, you get **27.4839, 0.5170, 0.3067**, and if you desaturate by 10%, it is **38.6634, 0.4335, 0.3096**.

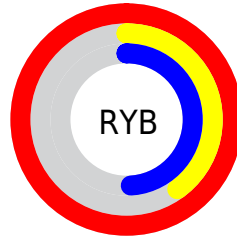
Distribution



Red (100%)

Green (40%)

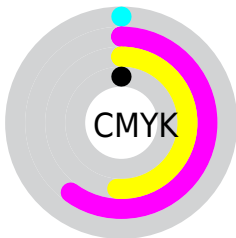
Blue (49%)



Red (100%)

Yellow (40%)

Blue (49%)

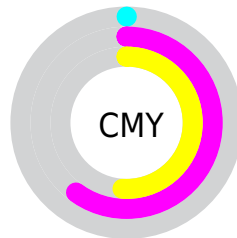


Cyan (0%)

Magenta (60%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2434, 0.4735, 0.3072 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 32.2434, 0.4735, 0.3072 by changing the saturation by 10% instead.


 32.2434, 0.4735,
0.3072


 32.2434, 0.4735,
0.3072


312.2265, 0.3879,
0.3222

 21.5475, 0.4961,
0.3020


 63.1925, 0.4414,
0.3137


 13.5248, 0.5256,
0.2946


 84.2144, 0.4296,
0.3158

 7.7909, 0.5653,
0.2831


 109.4471, 0.4198,
0.3175

 3.9614, 0.6208,
0.2644

 139.2751, 0.4115,
0.3188

 1.6520, 0.7115,
0.2353

174.0826, 0.4043,
0.3199

 0.3923, 0.8532,
0.1468

214.2540, 0.3981,

 0.0000, 1.0000,

0.3208

0.0000

260.1739, 0.3927,
0.3215

■ 0.0000, 0.0000,
0.0000

■ 32.2434, 0.4735,
0.3072

■ 32.2434, 0.4735,
0.3072

■ 27.4839, 0.5170,
0.3067

■ 38.6634, 0.4335,
0.3096

■ 24.2319, 0.5600,
0.3089

■ 46.8806, 0.3989,
0.3131

■ 22.3034, 0.5968,
0.3138

■ 57.0157, 0.3702,
0.3171

■ 21.4025, 0.6226,
0.3204

■ 69.1795, 0.3468,
0.3213

■ 83.4742, 0.3279,
0.3253

99.9952, 0.3127,
0.3290

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.



32.2434, 0.3861, 0.2487



32.2434, 0.4735, 0.3072



32.2434, 0.5056, 0.3734

Triad

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



32.2434, 0.4735, 0.3072



32.2434, 0.3141, 0.5069



32.2434, 0.1634, 0.1955

Complementary

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



32.2434, 0.4735, 0.3072



80.1682, 0.2482, 0.3566

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.



32.2434, 0.1511, 0.2375



32.2434, 0.4735, 0.3072



32.2434, 0.2289, 0.4330

Square

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



32.2434, 0.4735, 0.3072



32.2434, 0.4037, 0.4993



32.2434, 0.1717, 0.3215



32.2434, 0.2075, 0.1873

Rectangle

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



32.2434, 0.4735, 0.3072



32.2434, 0.4912, 0.4193



32.2434, 0.1717, 0.3215



32.2434, 0.1558, 0.2053

Sweetspot

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



32.2429, 0.4735, 0.3072



71.8685, 0.3427, 0.3221



33.4616, 0.2958, 0.1790



14.5526, 0.3487, 0.3209



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.



32.2429, 0.4735, 0.3072



26.7193, 0.5258, 0.3069



45.0001, 0.4648, 0.3801



18.0316, 0.3271, 0.3254



11.1965, 0.6197, 0.3187



1.1027, 0.5927, 0.3039

Inverse Universe

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



32.2429, 0.4735, 0.3072



26.7193, 0.5258, 0.3069



53.2290, 0.2246, 0.2650



18.0316, 0.3271, 0.3254



11.1965, 0.6197, 0.3187



1.1027, 0.5927, 0.3039

Previews

White Background



This preview shows how the Yxy color 32.2434, 0.4735, 0.3072 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 32.2434, 0.4735, 0.3072 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 32.2434, 0.4735, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 32.2434, 0.4735, 0.3072.

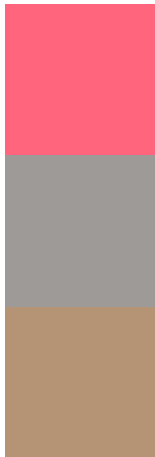


This preview shows how white text looks on a background with the Yxy color 32.2434, 0.4735, 0.3072.

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

32.2434, 0.4735, 0.3072

Protanopia

32.6147, 0.3195, 0.3335

Deuteranopia

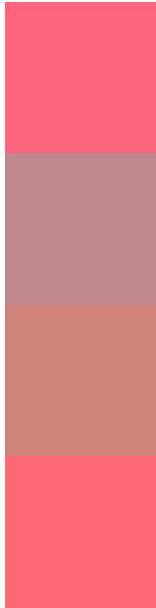
32.3116, 0.3789, 0.3720



Tritanopia

32.1192, 0.4895, 0.3229

Trichromacy



Original Color

32.2434, 0.4735, 0.3072

Protanomaly

30.6184, 0.3710, 0.3197

Deuteranomaly

31.0230, 0.4143, 0.3420

Tritanomaly

32.0323, 0.4837, 0.3170

Monochromacy



Original Color

32.2434, 0.4735, 0.3072

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.3895, 0.3672, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2434, 0.4735, 0.3072 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, 102, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 125)  
}
```

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, 102, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 125) }
```

Border

The CSS property to change the border of an element to Yxy 32.2434, 0.4735, 0.3072 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, 102, 125) }
```

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

```
.border{ border-color:rgb(255, 102, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2434, 0.4735, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 125) }
```

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

```
.background{ background-color: rgb(255,  
102, 125) }
```

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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