

Converting Colors

$Y_{xy}(32.5703, 0.4576, 0.2950)$

Have a look what the booklet for
Yxy(32.5703, 0.4576, 0.2950)
contains.

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Color

Yxy(32.5689, 0.4576, 0.2951)

Conversions

Conversions Part 1

Format	Color
Hex	FF6689
RGB	255, 102, 137
RGB Percent	100%, 40%, 54%
CMY	0.0001, 0.5999, 0.4627
CMYK	0.00, 0.60, 0.46, 0.00
HSL	346°, 100%, 70%
HSV	346°, 60%, 100%
XYZ	50.5033, 32.5689, 27.2934
YIQ	151.7370, 79.9530, 43.3210

Conversions

Conversions Part 2

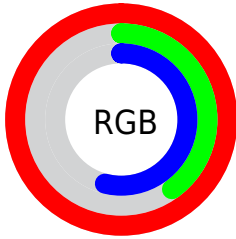
Format	Color
R _Y B	255, 102, 137
Decimal	16737929
CIE Lab	63.81, 60.97, 11.50
CIE LCh	64, 62.042, 10.682
Yxy	32.5689, 0.4576, 0.2951
Android (android.graphics.Color)	4294928009 (0xFFFF6689)
YUV	151.7370, -7.2653, 90.5617
Hunter-Lab	57.0692, 58.0924, 11.5929

Details

The Yxy color **32.5689, 0.4576, 0.2951** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.5046, 0.2532, 0.3718**, and the grayscale version is **31.2897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7740, 0.3752, 0.2968**, and **13.6815, 0.5051, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **27.7909, 0.4972, 0.2935**, and if you desaturate by 10%, it is **38.9940, 0.4216, 0.2992**.

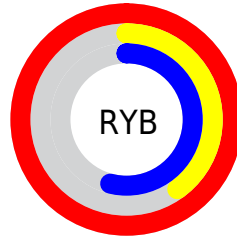
Distribution



Red (100%)

Green (40%)

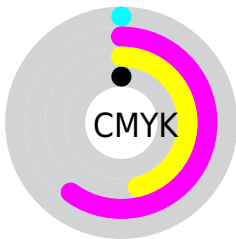
Blue (54%)



Red (100%)

Yellow (40%)

Blue (54%)

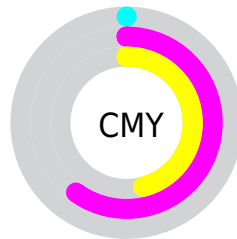


Cyan (0%)

Magenta (60%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (60%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5689, 0.4576, 0.2951 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 32.5689, 0.4576, 0.2951 by changing the saturation by 10% instead.

 32.5689, 0.4576,
0.2951


 32.5689, 0.4576,
0.2951


313.7027, 0.3807,
0.3151


 21.7964, 0.4780,
0.2891


 63.7019, 0.4287,
0.3031


 13.7074, 0.5047,
0.2809


 84.8312, 0.4182,
0.3059

 7.9174, 0.5409,
0.2689


 110.1815, 0.4093,
0.3081

 4.0422, 0.5924,
0.2504

 140.1373, 0.4018,
0.3100

 1.6972, 0.6691,
0.2196

175.0829, 0.3954,
0.3116

 0.4218, 0.8496,
0.1504

215.4027, 0.3899,


 0.0000, 1.0000,


0.3129


0.0000


261.4812, 0.3850,
0.3141

 0.0000, 0.0000,
0.0000


 32.5689, 0.4576,
0.2951


 32.5689, 0.4576,
0.2951

 27.7909, 0.4972,
0.2935

 38.9940, 0.4216,
0.2992


 24.5028, 0.5377,
0.2953


 47.1940, 0.3907,
0.3047


 22.5255, 0.5746,
0.3012

 57.2903, 0.3648,
0.3109

 21.5669, 0.6038,
0.3100

 69.3917, 0.3437,
0.3172

 21.5661, 0.6038,
0.3100

 83.5991, 0.3266,
0.3233

99.9974, 0.3127,
0.3290

Harmonies

Analogous

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



32.5689, 0.3648, 0.2395



32.5689, 0.4576, 0.2951



32.5689, 0.5023, 0.3598

Triad

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



32.5689, 0.4576, 0.2951



32.5689, 0.3326, 0.5093



32.5689, 0.1598, 0.2023

Complementary

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



32.5689, 0.4576, 0.2951



79.5046, 0.2532, 0.3718

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.



32.5689, 0.1540, 0.2519



32.5689, 0.4576, 0.2951



32.5689, 0.2453, 0.4517

Square

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



32.5689, 0.4576, 0.2951



32.5689, 0.4194, 0.4887



32.5689, 0.1816, 0.3431



32.5689, 0.1971, 0.1879

Rectangle

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



32.5689, 0.4576, 0.2951



32.5689, 0.4963, 0.4051



32.5689, 0.1816, 0.3431



32.5689, 0.1544, 0.2144

Sweetspot

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



32.5707, 0.4576, 0.2951



72.0560, 0.3400, 0.3185



31.8319, 0.2864, 0.1750



14.5975, 0.3455, 0.3166



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.



32.5707, 0.4576, 0.2951



27.0186, 0.5054, 0.2935



41.8057, 0.4726, 0.3698



18.0551, 0.3258, 0.3236



11.2887, 0.6000, 0.3079



1.1149, 0.5691, 0.2909

Inverse Universe

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



32.5707, 0.4576, 0.2951



27.0186, 0.5054, 0.2935



58.2373, 0.2277, 0.2784



18.0551, 0.3258, 0.3236



11.2887, 0.6000, 0.3079



1.1149, 0.5691, 0.2909

Previews

White Background



This preview shows how the Yxy color 32.5689, 0.4576, 0.2951 looks on a white background.

Color Contrast Check

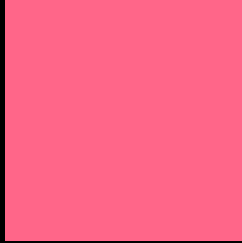
Large Text (above 18pt) WCAG AA × Fail

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 32.5689, 0.4576, 0.2951 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 32.5689, 0.4576, 0.2951

Background



This preview shows how black text looks on a background with the Yxy color 32.5689, 0.4576, 0.2951.



This preview shows how white text looks on a background with the Yxy color 32.5689, 0.4576, 0.2951.

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

32.5689, 0.4576, 0.2951

Protanopia

32.7964, 0.3037, 0.3126

Deuteranopia

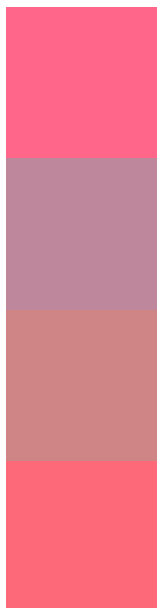
32.6903, 0.3638, 0.3564



Tritanopia

32.3830, 0.4848, 0.3227

Trichromacy



Original Color

32.5689, 0.4576, 0.2951

Protanomaly

30.7709, 0.3540, 0.3020

Deuteranomaly

31.4614, 0.3984, 0.3280

Tritanomaly

32.5791, 0.4749, 0.3129

Monochromacy



Original Color

32.5689, 0.4576, 0.2951

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

29.9756, 0.3611, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5689, 0.4576, 0.2951 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, 137)` looks like.

```
.text, #text, p{  
  color:rgb(255, 102, 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, 102, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 137) }
```

Border

The CSS property to change the border of an element to Yxy 32.5689, 0.4576, 0.2951 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, 137) }
```

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

```
.border{ border-color:rgb(255, 102, 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, 102, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5689, 0.4576, 0.2951 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, 137) }
```

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

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