

Converting Colors

$Y_{xy}(33.2762, 0.4711, 0.3046)$

Have a look what the booklet for
Yxy(33.2762, 0.4711, 0.3046)
contains.

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Color

Yxy(32.5455, 0.4677, 0.3041)

Conversions

Conversions Part 1

Format	Color
Hex	FF6781
RGB	255, 103, 129
RGB Percent	100%, 40%, 51%
CMY	0.0000, 0.5961, 0.4940
CMYK	0.00, 0.60, 0.49, 0.00
HSL	350°, 100%, 70%
HSV	350°, 60%, 100%
XYZ	50.0544, 32.5455, 24.4225
YIQ	151.4120, 82.2460, 40.3100

Conversions

Conversions Part 2

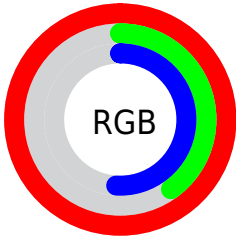
Format	Color
R_{YB}	255, 103, 129
Decimal	16738177
CIE _{Lab}	63.79, 59.85, 16.05
CIE _{LCh}	64, 61.962, 15.016
Yxy	32.5455, 0.4677, 0.3041
Android (android.graphics.Color)	4294928257 (0xFFFF6781)
YUV	151.4120, -11.0491, 90.8467
Hunter-Lab	57.0487, 56.7803, 14.5520

Details

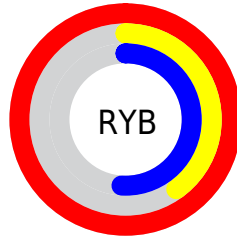
The Yxy color **32.5455, 0.4677, 0.3041** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.0597, 0.2498, 0.3603**, and the grayscale version is **31.1571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4337, 0.3831, 0.3051**, and **13.6444, 0.5183, 0.2910** is the 20% darker color. If you saturate the color by 10%, you get **27.7192, 0.5102, 0.3033**, and if you desaturate by 10%, it is **39.0377, 0.4289, 0.3070**.

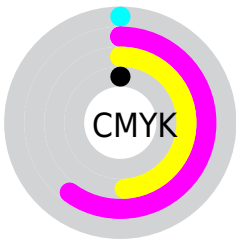
Distribution



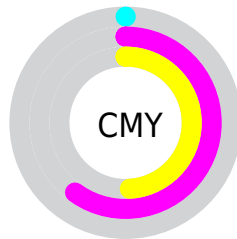
- Red (100%)
- Green (40%)
- Blue (51%)



- Red (100%)
- Yellow (40%)
- Blue (51%)



- Cyan (0%)
- Magenta (60%)
- Yellow (49%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5455, 0.4677, 0.3041 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 32.5455, 0.4677, 0.3041 by changing the saturation by 10% instead.


 32.5455, 0.4677,
0.3041


 32.5455, 0.4677,
0.3041


313.5967, 0.3853,
0.3202

 21.7785, 0.4895,
0.2988


 63.6653, 0.4368,
0.3109

 13.6942, 0.5179,
0.2912


 84.7869, 0.4255,
0.3132

 7.9083, 0.5564,
0.2799


 110.1288, 0.4160,
0.3150

 4.0363, 0.6103,
0.2616

 140.0754, 0.4080,
0.3164

 1.6939, 0.6943,
0.2318

175.0111, 0.4011,
0.3176

 0.4197, 0.8471,
0.1529

215.3203, 0.3951,


 0.0000, 1.0000,


0.3187


0.0000

261.3874, 0.3899,
0.3195

 0.0000, 0.0000,
0.0000


 32.5455, 0.4677,
0.3041


 32.5455, 0.4677,
0.3041


 27.7192, 0.5102,
0.3033

 39.0377, 0.4289,
0.3070


 24.4006, 0.5527,
0.3053


 47.3245, 0.3955,
0.3111


 22.4103, 0.5901,
0.3105

 57.5279, 0.3678,
0.3157

 21.4674, 0.6175,
0.3178

 69.7579, 0.3452,
0.3204

 21.4393, 0.6184,
0.3180

 84.1159, 0.3269,
0.3249

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.



32.5455, 0.3795, 0.2467



32.5455, 0.4677, 0.3041



32.5455, 0.5032, 0.3695

Triad

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



32.5455, 0.4677, 0.3041



32.5455, 0.3195, 0.5060



32.5455, 0.1634, 0.1983

Complementary

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



32.5455, 0.4677, 0.3041



80.0597, 0.2498, 0.3603

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.



32.5455, 0.1530, 0.2423



32.5455, 0.4677, 0.3041



32.5455, 0.2342, 0.4373

Square

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



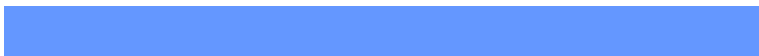
32.5455, 0.4677, 0.3041



32.5455, 0.4077, 0.4951



32.5455, 0.1755, 0.3277



32.5455, 0.2053, 0.1884

Rectangle

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



32.5455, 0.4677, 0.3041



32.5455, 0.4914, 0.4149



32.5455, 0.1755, 0.3277



32.5455, 0.1565, 0.2087

Sweetspot

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



32.5472, 0.4677, 0.3041



71.9176, 0.3419, 0.3211



33.2742, 0.2936, 0.1788



14.5643, 0.3478, 0.3198



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.



32.5472, 0.4677, 0.3041



26.7935, 0.5205, 0.3035



44.4166, 0.4653, 0.3773



18.0378, 0.3267, 0.3250



11.2172, 0.6151, 0.3162



1.1056, 0.5869, 0.3007

Inverse Universe

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



32.5472, 0.4677, 0.3041



26.7935, 0.5205, 0.3035



54.6657, 0.2259, 0.2689



18.0378, 0.3267, 0.3250



11.2172, 0.6151, 0.3162



1.1056, 0.5869, 0.3007

Previews

White Background



This preview shows how the Yxy color 32.5455, 0.4677, 0.3041 looks on a white background.

Color Contrast Check

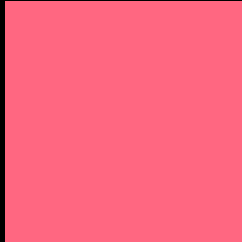
Large Text (above 18pt) WCAG AA × Fail

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 32.5455, 0.4677, 0.3041 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 32.5455, 0.4677, 0.3041

Background



This preview shows how black text looks on a background with the Yxy color 32.5455, 0.4677, 0.3041.



This preview shows how white text looks on a background with the Yxy color 32.5455, 0.4677, 0.3041.

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

32.5455, 0.4677, 0.3041

Protanopia

32.6459, 0.3148, 0.3275

Deuteranopia

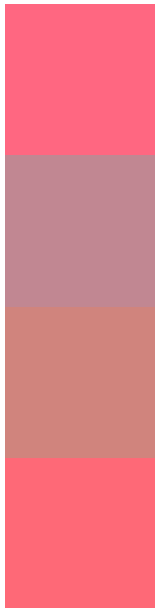
32.7238, 0.3743, 0.3676



Tritanopia

32.5712, 0.4857, 0.3228

Trichromacy



Original Color

32.5455, 0.4677, 0.3041

Protanomaly

30.7407, 0.3664, 0.3142

Deuteranomaly

31.3931, 0.4090, 0.3382

Tritanomaly

32.5059, 0.4787, 0.3159

Monochromacy



Original Color

32.5455, 0.4677, 0.3041

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.8522, 0.3657, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5455, 0.4677, 0.3041 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, 103, 129)` looks like.

```
.text, #text, p{  
  color:rgb(255, 103, 129)  
}
```

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, 103, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 129) }
```

Border

The CSS property to change the border of an element to Yxy 32.5455, 0.4677, 0.3041 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, 103, 129) }
```

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

```
.border{ border-color:rgb(255, 103, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 103, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5455, 0.4677, 0.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 129) }
```

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

```
.background{ background-color: rgb(255,  
103, 129) }
```

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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