

Converting Colors

$Y_{xy}(32.6523, 0.4307, 0.2711)$

Have a look what the booklet for
Yxy(32.6523, 0.4307, 0.2711)
contains.

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Color

Yxy(32.6523, 0.4307, 0.2711)

Conversions

Conversions Part 1

Format	Color
Hex	FF639E
RGB	255, 99, 158
RGB Percent	100%, 39%, 62%
CMY	0.0000, 0.6118, 0.3804
CMYK	0.00, 0.61, 0.38, 0.00
HSL	337°, 100%, 69%
HSV	337°, 61%, 100%
XYZ	51.8751, 32.6523, 35.9163
YIQ	152.3700, 74.0370, 51.4210

Conversions

Conversions Part 2

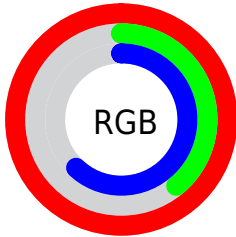
Format	Color
R _Y B	255, 99, 158
Decimal	16737182
CIE Lab	63.88, 64.31, -0.47
CIE LCh	64, 64.310, 359.583
Yxy	32.6523, 0.4307, 0.2711
Android (android.graphics.Color)	4294927262 (0xFFFF639E)
YUV	152.3700, 2.7756, 90.0065
Hunter-Lab	57.1422, 62.0480, 2.7332

Details

The Yxy color **32.6523, 0.4307, 0.2711** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.1584, 0.2627, 0.4036**, and the grayscale version is **31.5314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7904, 0.3547, 0.2717**, and **13.7926, 0.4680, 0.2528** is the 20% darker color. If you saturate the color by 10%, you get **28.0488, 0.4619, 0.2669**, and if you desaturate by 10%, it is **38.8521, 0.4024, 0.2785**.

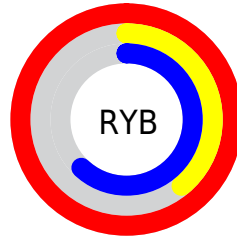
Distribution



Red (100%)

Green (39%)

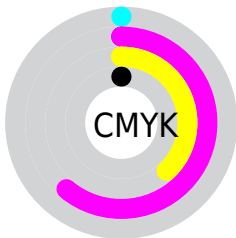
Blue (62%)



Red (100%)

Yellow (39%)

Blue (62%)

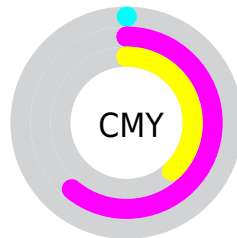


Cyan (0%)

Magenta (61%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (61%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6523, 0.4307, 0.2711 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 32.6523, 0.4307, 0.2711 by changing the saturation by 10% instead.

 32.6523, 0.4307,
0.2711


 32.6523, 0.4307,
0.2711


314.0801, 0.3688,
0.3014

 21.8602, 0.4470,
0.2632


 63.8323, 0.4076,
0.2824

 13.7542, 0.4683,
0.2528


 84.9890, 0.3991,
0.2866

 7.9499, 0.4973,
0.2386


 110.3694, 0.3920,
0.2901

 4.0629, 0.5388,
0.2185

 140.3578, 0.3859,
0.2930

 1.7088, 0.6019,
0.1879

175.3387, 0.3807,
0.2956

 0.4294, 0.7341,
0.1228

215.6965, 0.3762,

 0.0000, 1.0000,

0.2978

0.0000

261.8154, 0.3723,
0.2997

0.0000, 0.0000,
0.0000

32.6523, 0.4307,
0.2711

32.6523, 0.4307,
0.2711

28.0488, 0.4619,
0.2669

38.8521, 0.4024,
0.2785

24.8880, 0.4945,
0.2671

46.7787, 0.3778,
0.2878

22.9885, 0.5262,
0.2726

56.5513, 0.3570,
0.2980

22.1127, 0.5515,
0.2812

68.2777, 0.3398,
0.3083

82.0574, 0.3256,
0.3184

97.9831, 0.3139,
0.3279

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.



32.6523, 0.3273, 0.2200



32.6523, 0.4307, 0.2711



32.6523, 0.4995, 0.3346

Triad

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



32.6523, 0.4307, 0.2711



32.6523, 0.3667, 0.5157



32.6523, 0.1498, 0.2123

Complementary

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



32.6523, 0.4307, 0.2711



78.1584, 0.2627, 0.4036

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.



32.6523, 0.1557, 0.2788



32.6523, 0.4307, 0.2711



32.6523, 0.2743, 0.4888

Square

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



32.6523, 0.4307, 0.2711



32.6523, 0.4503, 0.4719



32.6523, 0.1974, 0.3863



32.6523, 0.1758, 0.1857

Rectangle

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



32.6523, 0.4307, 0.2711



32.6523, 0.5091, 0.3801



32.6523, 0.1974, 0.3863



32.6523, 0.1481, 0.2295

Sweetspot

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



32.6529, 0.4307, 0.2711



72.4263, 0.3349, 0.3116



27.7731, 0.2644, 0.1630



14.6868, 0.3394, 0.3086



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.



32.6529, 0.4307, 0.2711



27.3693, 0.4678, 0.2665



34.9307, 0.4952, 0.3468



18.1007, 0.3235, 0.3200



11.5810, 0.5472, 0.2788



1.1480, 0.5164, 0.2618

Inverse Universe

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



32.6529, 0.4307, 0.2711



27.3693, 0.4678, 0.2665



70.3256, 0.2332, 0.3069



18.1007, 0.3235, 0.3200



11.5810, 0.5472, 0.2788



1.1480, 0.5164, 0.2618

Previews

White Background



This preview shows how the Yxy color 32.6523, 0.4307, 0.2711 looks on a white background.

Color Contrast Check

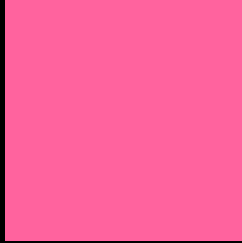
Large Text (above 18pt) WCAG AA × Fail

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 32.6523, 0.4307, 0.2711 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 32.6523, 0.4307, 0.2711

Background



This preview shows how black text looks on a background with the Yxy color 32.6523, 0.4307, 0.2711.



This preview shows how white text looks on a background with the Yxy color 32.6523, 0.4307, 0.2711.

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

32.6523, 0.4307, 0.2711

Protanopia

33.0280, 0.2733, 0.2742

Deuteranopia

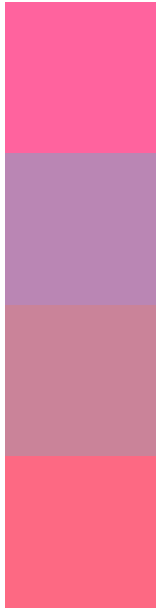
32.7854, 0.3355, 0.3291



Tritanopia

32.6584, 0.4802, 0.3226

Trichromacy



Original Color

32.6523, 0.4307, 0.2711

Protanomaly

30.7846, 0.3219, 0.2678

Deuteranomaly

31.0891, 0.3695, 0.3006

Tritanomaly

32.6245, 0.4622, 0.3037

Monochromacy



Original Color

32.6523, 0.4307, 0.2711

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

29.9270, 0.3534, 0.3004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6523, 0.4307, 0.2711 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, 99, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 158)  
}
```

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, 99, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 158) }
```

Border

The CSS property to change the border of an element to Yxy 32.6523, 0.4307, 0.2711 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, 99, 158) }
```

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

```
.border{ border-color:rgb(255, 99, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6523, 0.4307, 0.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 158) }
```

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

```
.background{ background-color: rgb(255, 99,  
158) }
```

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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