

Converting Colors

$Y_{xy}(38.6959, 0.4772, 0.2874)$

Have a look what the booklet for
Yxy(38.6959, 0.4772, 0.2874)
contains.

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Color

Yxy(31.7323, 0.4467, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	FF6093
RGB	255, 96, 147
RGB Percent	100%, 38%, 58%
CMY	0.0000, 0.6236, 0.4235
CMYK	0.00, 0.62, 0.42, 0.00
HSL	341°, 100%, 69%
HSV	341°, 62%, 100%
XYZ	50.6968, 31.7323, 31.0627
YIQ	149.3550, 78.3930, 49.5690

Conversions

Conversions Part 2

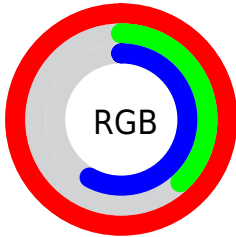
Format	Color
R _Y B	255, 96, 147
Decimal	16736403
CIE Lab	63.12, 64.45, 4.75
CIE LCh	63, 64.630, 4.219
Yxy	31.7323, 0.4467, 0.2796
Android (android.graphics.Color)	4294926483 (0xFFFF6093)
YUV	149.3550, -1.1610, 92.6507
Hunter-Lab	56.3314, 62.0652, 6.7379

Details

The Yxy color **31.7323, 0.4467, 0.2796** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.3638, 0.2582, 0.3931**, and the grayscale version is **30.1877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2595, 0.3658, 0.2795**, and **13.1805, 0.4891, 0.2616** is the 20% darker color. If you saturate the color by 10%, you get **27.3045, 0.4817, 0.2770**, and if you desaturate by 10%, it is **37.7445, 0.4148, 0.2853**.

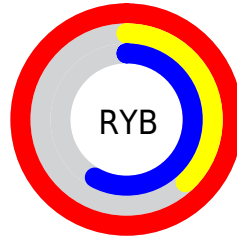
Distribution



Red (100%)

Green (38%)

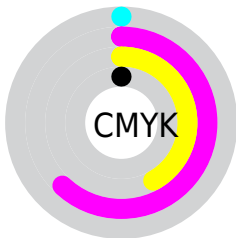
Blue (58%)



Red (100%)

Yellow (38%)

Blue (58%)

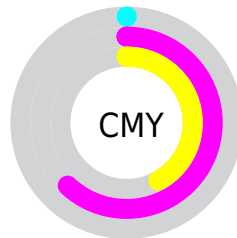


Cyan (0%)

Magenta (62%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7323, 0.4467, 0.2796 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 31.7323, 0.4467, 0.2796 by changing the saturation by 10% instead.


 31.7323, 0.4467,
0.2796


 31.7323, 0.4467,
0.2796


309.8980, 0.3757,
0.3066

 21.1571, 0.4655,
0.2722


 62.3912, 0.4200,
0.2899


 13.2389, 0.4903,
0.2623


 83.2437, 0.4103,
0.2936

 7.5933, 0.5241,
0.2484


 108.2907, 0.4021,
0.2967

 3.8358, 0.5725,
0.2281

 137.9167, 0.3952,
0.2993

 1.5821, 0.6457,
0.1960

172.5060, 0.3893,
0.3015

 0.3455, 0.8609,
0.1235

212.4431, 0.3842,


 0.0000, 1.0000,

0.3034

0.0000

258.1123, 0.3797,
0.3051


 0.0000, 0.0000,
0.0000

 31.7323, 0.4467,
0.2796


 31.7323, 0.4467,
0.2796


 27.3045, 0.4817,
0.2770

 37.7445, 0.4148,
0.2853


 24.3138, 0.5175,
0.2788


 45.4847, 0.3870,
0.2930

 22.5697, 0.5511,
0.2856

 55.0707, 0.3636,
0.3016

 21.8667, 0.5736,
0.2934

 66.6123, 0.3442,
0.3104

 80.2106, 0.3283,
0.3190

95.9597, 0.3154,
0.3272

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.



31.7323, 0.3438, 0.2255



31.7323, 0.4467, 0.2796



31.7323, 0.5071, 0.3447

Triad

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



31.7323, 0.4467, 0.2796



31.7323, 0.3525, 0.5201



31.7323, 0.1500, 0.2043

Complementary

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



31.7323, 0.4467, 0.2796



78.3638, 0.2582, 0.3931

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.



31.7323, 0.1507, 0.2644



31.7323, 0.4467, 0.2796



31.7323, 0.2598, 0.4791

Square

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



31.7323, 0.4467, 0.2796



31.7323, 0.4400, 0.4828



31.7323, 0.1868, 0.3685



31.7323, 0.1812, 0.1829

Rectangle

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



31.7323, 0.4467, 0.2796



31.7323, 0.5095, 0.3911



31.7323, 0.1868, 0.3685



31.7323, 0.1466, 0.2194

Sweetspot

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



31.7295, 0.4467, 0.2796



70.9471, 0.3385, 0.3133



28.1382, 0.2704, 0.1633



14.3926, 0.3433, 0.3108



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.



31.7295, 0.4467, 0.2796



26.3826, 0.4911, 0.2771



36.1426, 0.4943, 0.3547



18.0832, 0.3244, 0.3214



11.4498, 0.5693, 0.2910



1.1338, 0.5374, 0.2734

Inverse Universe

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



31.7295, 0.4467, 0.2796



26.3826, 0.4911, 0.2771



65.4665, 0.2299, 0.2965



18.0832, 0.3244, 0.3214



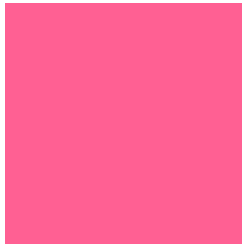
11.4498, 0.5693, 0.2910



1.1338, 0.5374, 0.2734

Previews

White Background



This preview shows how the Yxy color 31.7323, 0.4467, 0.2796 looks on a white background.

Color Contrast Check

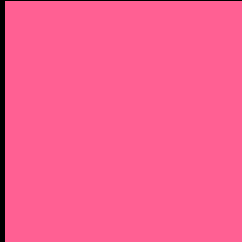
Large Text (above 18pt) WCAG AA × Fail

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 31.7323, 0.4467, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

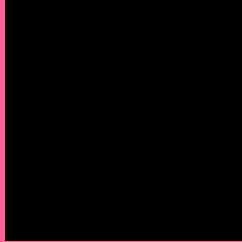
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.7323, 0.4467, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 31.7323, 0.4467, 0.2796.



This preview shows how white text looks on a background with the Yxy color 31.7323, 0.4467, 0.2796.

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

31.7323, 0.4467, 0.2796

Protanopia

32.0477, 0.2843, 0.2876

Deuteranopia

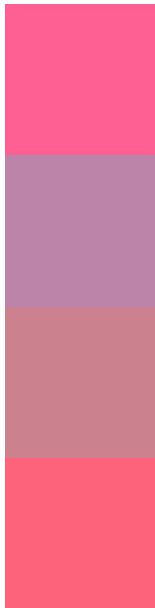
31.9281, 0.3482, 0.3423



Tritanopia

31.5217, 0.4896, 0.3228

Trichromacy



Original Color

31.7323, 0.4467, 0.2796

Protanomaly

29.8945, 0.3358, 0.2803

Deuteranomaly

30.3500, 0.3844, 0.3123

Tritanomaly

31.4271, 0.4754, 0.3072

Monochromacy



Original Color

31.7323, 0.4467, 0.2796

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.7947, 0.3600, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7323, 0.4467, 0.2796 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, 96, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 147)  
}
```

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, 96, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 147) }
```

Border

The CSS property to change the border of an element to Yxy 31.7323, 0.4467, 0.2796 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, 96, 147) }
```

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

```
.border{ border-color:rgb(255, 96, 147) }
```

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

Here you see how a box with a 4 pixel rgb(255, 96, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7323, 0.4467, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 96, 147) }
```

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

```
.background{ background-color: rgb(255, 96,  
147) }
```

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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