

Converting Colors

$Y_{xy}(31.6505, 0.4572, 0.2884)$

Have a look what the booklet for
Yxy(31.6505, 0.4572, 0.2884)
contains.

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Color

Yxy(31.6735, 0.4572, 0.2886)

Conversions

Conversions Part 1

Format	Color
Hex	FF618B
RGB	255, 97, 139
RGB Percent	100%, 38%, 55%
CMY	0.0000, 0.6196, 0.4549
CMYK	0.00, 0.62, 0.45, 0.00
HSL	344°, 100%, 69%
HSV	344°, 62%, 100%
XYZ	50.1771, 31.6735, 27.8981
YIQ	149.0300, 80.6860, 46.5580

Conversions

Conversions Part 2

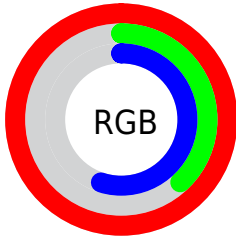
Format	Color
R _Y B	255, 97, 139
Decimal	16736651
CIE Lab	63.07, 63.28, 9.30
CIE LCh	63, 63.956, 8.364
Yxy	31.6735, 0.4572, 0.2886
Android (android.graphics.Color)	4294926731 (0xFFFF618B)
YUV	149.0300, -4.9448, 92.9357
Hunter-Lab	56.2792, 60.6575, 10.0048

Details

The Yxy color **31.6735, 0.4572, 0.2886** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.8652, 0.2546, 0.3811**, and the grayscale version is **30.0641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1770, 0.3745, 0.2896**, and **13.1464, 0.5051, 0.2728** is the 20% darker color. If you saturate the color by 10%, you get **27.1936, 0.4953, 0.2870**, and if you desaturate by 10%, it is **37.7619, 0.4224, 0.2931**.

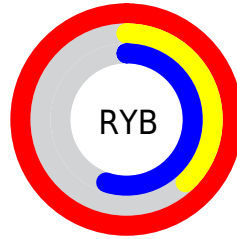
Distribution



Red (100%)

Green (38%)

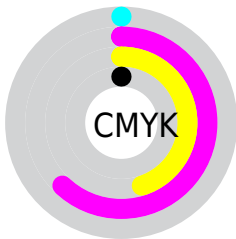
Blue (55%)



Red (100%)

Yellow (38%)

Blue (55%)

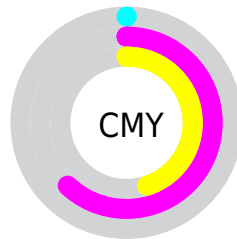


Cyan (0%)

Magenta (62%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (62%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6735, 0.4572, 0.2886 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 31.6735, 0.4572, 0.2886 by changing the saturation by 10% instead.


 31.6735, 0.4572,
0.2886


 31.6735, 0.4572,
0.2886

309.6292, 0.3803,
0.3117


 21.1122, 0.4776,
0.2819


 62.2989, 0.4283,
0.2977


 13.2061, 0.5045,
0.2727


 83.1318, 0.4177,
0.3009

 7.5706, 0.5411,
0.2596


 108.1574, 0.4089,
0.3035

 3.8214, 0.5932,
0.2397

 137.7600, 0.4014,
0.3057

 1.5742, 0.6711,
0.2071

172.3242, 0.3950,
0.3076

 0.3401, 0.8732,
0.1268

212.2341, 0.3895,


 0.0000, 1.0000,

0.3092


0.0000


257.8744, 0.3846,
0.3105


 0.0000, 0.0000,
0.0000

 31.6735, 0.4572,
0.2886

 31.6735, 0.4572,
0.2886

 27.1936, 0.4953,
0.2870


 37.7619, 0.4224,
0.2931


 24.1649, 0.5339,
0.2893

 45.5928, 0.3922,
0.2994

 22.4004, 0.5690,
0.2961

 55.2877, 0.3668,
0.3066

 21.6749, 0.5926,
0.3038

 66.9571, 0.3459,
0.3139

 80.7023, 0.3289,
0.3210

96.6182, 0.3151,
0.3277

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.



31.6735, 0.3583, 0.2327



31.6735, 0.4572, 0.2886



31.6735, 0.5083, 0.3543

Triad

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



31.6735, 0.4572, 0.2886



31.6735, 0.3396, 0.5180



31.6735, 0.1536, 0.2004

Complementary

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



31.6735, 0.4572, 0.2886



78.8652, 0.2546, 0.3811

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.



31.6735, 0.1499, 0.2542



31.6735, 0.4572, 0.2886



31.6735, 0.2487, 0.4650

Square

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



31.6735, 0.4572, 0.2886



31.6735, 0.4283, 0.4896



31.6735, 0.1807, 0.3520



31.6735, 0.1891, 0.1836

Rectangle

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



31.6735, 0.4572, 0.2886



31.6735, 0.5048, 0.4007



31.6735, 0.1807, 0.3520



31.6735, 0.1488, 0.2137

Sweetspot

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



31.6740, 0.4572, 0.2886



70.8051, 0.3405, 0.3160



29.8960, 0.2803, 0.1685



14.3587, 0.3457, 0.3139



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.



31.6740, 0.4572, 0.2886



26.4635, 0.5032, 0.2871



39.1368, 0.4843, 0.3652



18.0664, 0.3252, 0.3227



11.3465, 0.5885, 0.3016



1.1219, 0.5567, 0.2841

Inverse Universe

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



31.6740, 0.4572, 0.2886



26.4635, 0.5032, 0.2871



59.9737, 0.2271, 0.2833



18.0664, 0.3252, 0.3227



11.3465, 0.5885, 0.3016



1.1219, 0.5567, 0.2841

Previews

White Background



This preview shows how the Yxy color 31.6735, 0.4572, 0.2886 looks on a white background.

Color Contrast Check

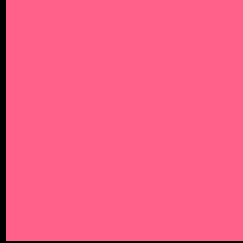
Large Text (above 18pt) WCAG AA × Fail

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 31.6735, 0.4572, 0.2886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

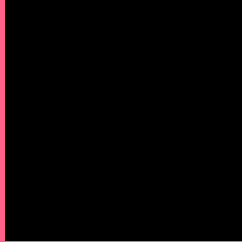
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6735, 0.4572, 0.2886

Background



This preview shows how black text looks on a background with the Yxy color 31.6735, 0.4572, 0.2886.



This preview shows how white text looks on a background with the Yxy color 31.6735, 0.4572, 0.2886.

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

31.6735, 0.4572, 0.2886

Protanopia

31.9381, 0.2955, 0.3021

Deuteranopia

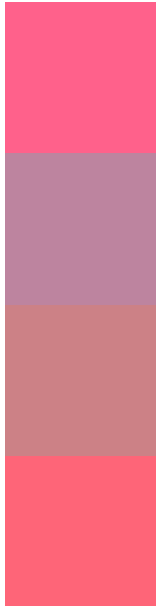
31.6201, 0.3590, 0.3525



Tritanopia

31.6873, 0.4917, 0.3238

Trichromacy



Original Color

31.6735, 0.4572, 0.2886

Protanomaly

29.8245, 0.3480, 0.2924

Deuteranomaly

30.2591, 0.3952, 0.3227

Tritanomaly

31.7343, 0.4797, 0.3112

Monochromacy



Original Color

31.6735, 0.4572, 0.2886

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.7010, 0.3635, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6735, 0.4572, 0.2886 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, 97, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 139)  
}
```

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, 97, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 139) }
```

Border

The CSS property to change the border of an element to Yxy 31.6735, 0.4572, 0.2886 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, 97, 139) }
```

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

```
.border{ border-color:rgb(255, 97, 139) }
```

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

Here you see how a box with a 4 pixel rgb(255, 97, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6735, 0.4572, 0.2886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 139) }
```

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

```
.background{ background-color: rgb(255, 97,  
139) }
```

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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