

Converting Colors

$Y_{xy}(27.3486, 0.4620, 0.2787)$

Have a look what the booklet for
Yxy(27.3486, 0.4620, 0.2787)
contains.

Yxy(27.3486, 0.4620, 0.2787)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.3486, 0.4620, 0.2787)

Conversions

Conversions Part 1

Format	Color
Hex	F65286
RGB	246, 82, 134
RGB Percent	96%, 32%, 53%
CMY	0.0352, 0.6786, 0.4745
CMYK	0.00, 0.67, 0.46, 0.04
HSL	341°, 90%, 64%
HSV	341°, 67%, 96%
XYZ	45.3357, 27.3486, 25.4449
YIQ	136.9640, 81.0520, 50.9400

Conversions

Conversions Part 2

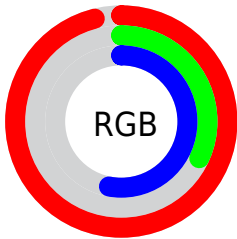
Format	Color
R _Y B	246, 82, 134
Decimal	16142982
CIE Lab	59.30, 66.11, 6.63
CIE LCh	59, 66.446, 5.726
Yxy	27.3486, 0.4620, 0.2787
Android (android.graphics.Color)	4294333062 (0xFFFF65286)
YUV	136.9640, -1.4613, 95.6246
Hunter-Lab	52.2959, 63.2251, 7.7592

Details

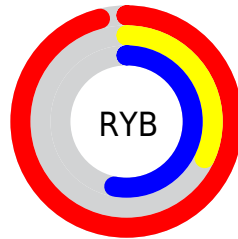
The Yxy color **27.3486, 0.4620, 0.2787** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **71.6200, 0.2562, 0.3974**, and the grayscale version is **24.9807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6040, 0.3832, 0.2804**, and **10.8462, 0.5120, 0.2594** is the 20% darker color. If you saturate the color by 10%, you get **23.8506, 0.4978, 0.2779**, and if you desaturate by 10%, it is **32.2532, 0.4284, 0.2832**.

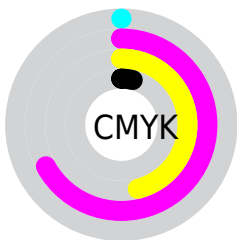
Distribution



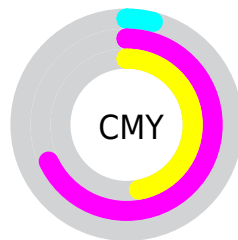
- Red (96%)
- Green (32%)
- Blue (53%)



- Red (96%)
- Yellow (32%)
- Blue (53%)



- Cyan (0%)
- Magenta (67%)
- Yellow (46%)
- Black (4%)





- Cyan (4%)
- Magenta (68%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3486, 0.4620, 0.2787 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 27.3486, 0.4620, 0.2787 by changing the saturation by 10% instead.


 27.3486, 0.4620,
0.2787


 27.3486, 0.4620,
0.2787


289.3410, 0.3811,
0.3072

 17.8352, 0.4841,
0.2705


 55.4428, 0.4311,
0.2899


 10.8317, 0.5135,
0.2592


 74.7923, 0.4200,
0.2938

 5.9538, 0.5541,
0.2431

 98.1894, 0.4107,
0.2971

 2.8170, 0.6132,
0.2185

 126.0183, 0.4029,
0.2998

 1.0370, 0.7069,
0.1794

158.6636, 0.3963,
0.3021

 0.0000, 1.0000,
0.0000

196.5095, 0.3905,

 0.0000, 0.0000,

0.3040

0.0000

239.9405, 0.3855,
0.3057

■ 27.3486, 0.4620,
0.2787

■ 27.3486, 0.4620,
0.2787

■ 23.8506, 0.4978,
0.2779

■ 32.2532, 0.4284,
0.2832

■ 21.6015, 0.5333,
0.2818

■ 38.6910, 0.3987,
0.2900


■ 20.4101, 0.5650,
0.2905

■ 46.7792, 0.3734,
0.2982


■ 20.1497, 0.5745,
0.2938

■ 56.6224, 0.3522,
0.3069

■ 68.3166, 0.3349,
0.3155

 81.9506, 0.3207,
0.3238

 97.6076, 0.3092,
0.3315

 98.3391, 0.3072,
0.3290

Harmonies

Analogous

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



27.3486, 0.3514, 0.2213



27.3486, 0.4620, 0.2787



27.3486, 0.5229, 0.3469

Triad

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



27.3486, 0.4620, 0.2787



27.3486, 0.3476, 0.5359



27.3486, 0.1414, 0.1936

Complementary

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



27.3486, 0.4620, 0.2787



71.6200, 0.2562, 0.3974

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.



27.3486, 0.1399, 0.2540



27.3486, 0.4620, 0.2787



27.3486, 0.2498, 0.4884

Square

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



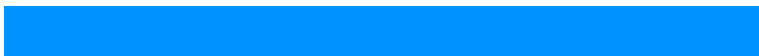
27.3486, 0.4620, 0.2787



27.3486, 0.4418, 0.4945



27.3486, 0.1749, 0.3644



27.3486, 0.1755, 0.1738

Rectangle

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



27.3486, 0.4620, 0.2787



27.3486, 0.5216, 0.3956



27.3486, 0.1749, 0.3644



27.3486, 0.1373, 0.2085

Sweetspot

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



27.3501, 0.4620, 0.2787



69.6223, 0.3403, 0.3127



23.8068, 0.2665, 0.1539



14.1347, 0.3452, 0.3102



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.



27.3501, 0.4620, 0.2787



24.8817, 0.5103, 0.2787



31.2117, 0.5125, 0.3552



16.5691, 0.3244, 0.3215



10.7741, 0.5702, 0.2915



0.9648, 0.5349, 0.2720

Inverse Universe

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



27.3501, 0.4620, 0.2787



24.8817, 0.5103, 0.2787



58.9498, 0.2262, 0.2940



16.5691, 0.3244, 0.3215



10.7741, 0.5702, 0.2915



0.9648, 0.5349, 0.2720

Previews

White Background



This preview shows how the Yxy color 27.3486, 0.4620, 0.2787 looks on a white background.

Color Contrast Check

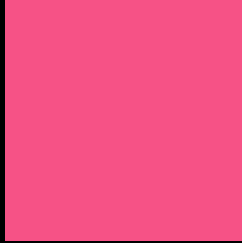
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3486, 0.4620, 0.2787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

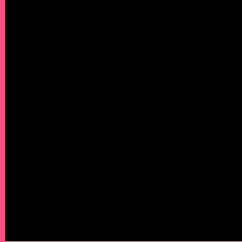
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3486, 0.4620, 0.2787

Background



This preview shows how black text looks on a background with the Yxy color 27.3486, 0.4620, 0.2787.



This preview shows how white text looks on a background with the Yxy color 27.3486, 0.4620, 0.2787.

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

27.3486, 0.4620, 0.2787

Protanopia

27.5764, 0.2844, 0.2881

Deuteranopia

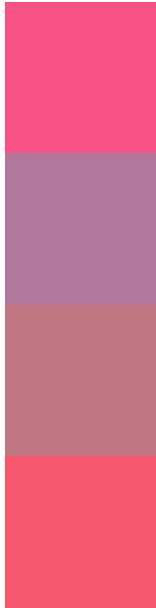
27.4698, 0.3539, 0.3477



Tritanopia

27.3900, 0.5095, 0.3240

Trichromacy



Original Color

27.3486, 0.4620, 0.2787

Protanomaly

25.1804, 0.3401, 0.2776

Deuteranomaly

25.8793, 0.3938, 0.3142

Tritanomaly

27.3547, 0.4933, 0.3075

Monochromacy



Original Color

27.3486, 0.4620, 0.2787

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

23.8473, 0.3656, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3486, 0.4620, 0.2787 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(246, 82, 134)` looks like.

```
.text, #text, p{  
    color:rgb(246, 82, 134)  
}
```

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(246, 82, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 82, 134) }
```

Border

The CSS property to change the border of an element to Yxy 27.3486, 0.4620, 0.2787 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(246, 82, 134) }
```

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

```
.border{ border-color:rgb(246, 82, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 82, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 82, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 82, 134);  
box-shadow:4px 4px 4px 4px rgb(246, 82,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3486, 0.4620, 0.2787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 82, 134) }
```

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

```
.background{ background-color: rgb(246, 82,  
134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor