

Converting Colors

$Y_{xy}(27.6113, 0.4366, 0.2628)$

Have a look what the booklet for
Yxy(27.6113, 0.4366, 0.2628)
contains.

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Color

Yxy(27.6216, 0.4360, 0.2623)

Conversions

Conversions Part 1

Format	Color
Hex	F45396
RGB	244, 83, 150
RGB Percent	96%, 33%, 59%
CMY	0.0430, 0.6746, 0.4117
CMYK	0.00, 0.66, 0.39, 0.04
HSL	335°, 88%, 64%
HSV	335°, 66%, 96%
XYZ	45.9131, 27.6216, 31.7706
YIQ	138.7770, 74.4490, 54.9690

Conversions

Conversions Part 2

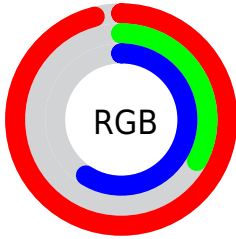
Format	Color
R_{YB}	244, 83, 150
Decimal	16012182
CIE _{Lab}	59.55, 66.69, -2.40
CIE _{LCh}	60, 66.733, 357.936
Yxy	27.6216, 0.4360, 0.2623
Android (android.graphics.Color)	4294202262 (0xFFFF45396)
YUV	138.7770, 5.5329, 92.2806
Hunter-Lab	52.5563, 63.9641, 0.9482

Details

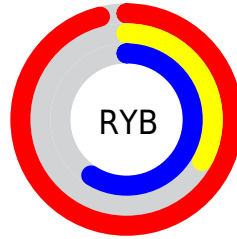
The Yxy color **27.6216, 0.4360, 0.2623** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **69.7272, 0.2637, 0.4192**, and the grayscale version is **25.6835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6694, 0.3652, 0.2646**, and **10.9681, 0.4785, 0.2409** is the 20% darker color. If you saturate the color by 10%, you get **24.0929, 0.4657, 0.2592**, and if you desaturate by 10%, it is **32.5222, 0.4085, 0.2693**.

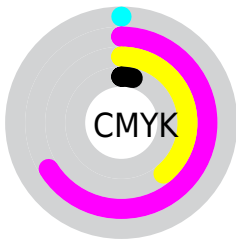
Distribution



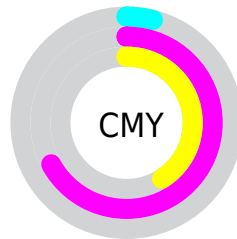
- Red (96%)
- Green (33%)
- Blue (59%)



- Red (96%)
- Yellow (33%)
- Blue (59%)



- Cyan (0%)
- Magenta (66%)
- Yellow (39%)
- Black (4%)





- Cyan (4%)
- Magenta (67%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6216, 0.4360, 0.2623 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 27.6216, 0.4360, 0.2623 by changing the saturation by 10% instead.


 27.6216, 0.4360,
0.2623


 27.6216, 0.4360,
0.2623


290.6543, 0.3699,
0.2977

 18.0406, 0.4539,
0.2529


 55.8797, 0.4110,
0.2756

 10.9791, 0.4776,
0.2404


 75.3257, 0.4019,
0.2805

 6.0528, 0.5104,
0.2233


 98.8287, 0.3943,
0.2845

 2.8772, 0.5584,
0.1987

 126.7733, 0.3879,
0.2880

 1.0680, 0.6334,
0.1610

159.5437, 0.3824,
0.2909

 0.0000, 0.9414,
0.0000

197.5244, 0.3777,


 0.0000, 1.0000,


0.2935


0.0000


241.0998, 0.3736,
0.2957


 0.0000, 0.0000,
0.0000


 27.6216, 0.4360,
0.2623


 27.6216, 0.4360,
0.2623


 24.0929, 0.4657,
0.2592


 32.5222, 0.4085,
0.2693

 21.7846, 0.4959,
0.2611


 38.9160, 0.3841,
0.2787


 20.5167, 0.5245,
0.2684

 46.9160, 0.3632,
0.2896


 20.1880, 0.5353,
0.2723

 56.6229, 0.3455,
0.3009

 68.1290, 0.3309,
0.3121

 81.5202, 0.3189,
0.3229

 96.8767, 0.3090,
0.3330

 97.9772, 0.3060,
0.3290

Harmonies

Analogous

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



27.6216, 0.3217, 0.2093



27.6216, 0.4360, 0.2623



27.6216, 0.5144, 0.3285

Triad

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



27.6216, 0.4360, 0.2623



27.6216, 0.3733, 0.5317



27.6216, 0.1377, 0.2047

Complementary

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



27.6216, 0.4360, 0.2623



69.7272, 0.2637, 0.4192

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.



27.6216, 0.1451, 0.2779



27.6216, 0.4360, 0.2623



27.6216, 0.2741, 0.5111

Square

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



27.6216, 0.4360, 0.2623



27.6216, 0.4631, 0.4766



27.6216, 0.1906, 0.3988



27.6216, 0.1633, 0.1756

Rectangle

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



27.6216, 0.4360, 0.2623



27.6216, 0.5262, 0.3763



27.6216, 0.1906, 0.3988



27.6216, 0.1364, 0.2235

Sweetspot

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



27.6231, 0.4360, 0.2623



69.8944, 0.3365, 0.3076



22.0545, 0.2545, 0.1495



14.1993, 0.3406, 0.3045



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.



27.6231, 0.4360, 0.2623



25.6743, 0.4753, 0.2592



28.3004, 0.5207, 0.3419



16.5969, 0.3228, 0.3192



11.0006, 0.5313, 0.2700



0.9868, 0.4988, 0.2522

Inverse Universe

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



27.6231, 0.4360, 0.2623



25.6743, 0.4753, 0.2592



65.3008, 0.2310, 0.3120



16.5969, 0.3228, 0.3192



11.0006, 0.5313, 0.2700



0.9868, 0.4988, 0.2522

Previews

White Background



This preview shows how the Yxy color 27.6216, 0.4360, 0.2623 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 27.6216, 0.4360, 0.2623 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 27.6216, 0.4360, 0.2623

Background



This preview shows how black text looks on a background with the Yxy color 27.6216, 0.4360, 0.2623.

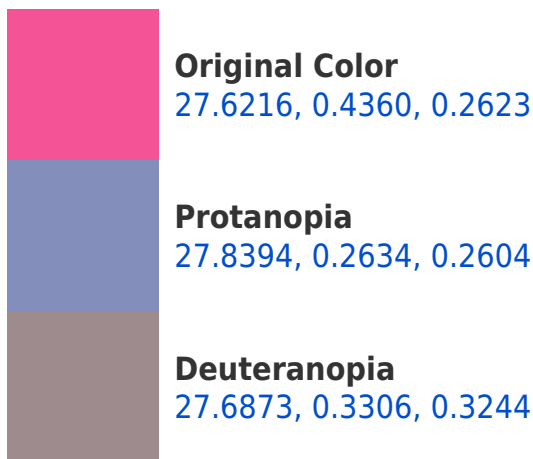


This preview shows how white text looks on a background with the Yxy color 27.6216, 0.4360, 0.2623.

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

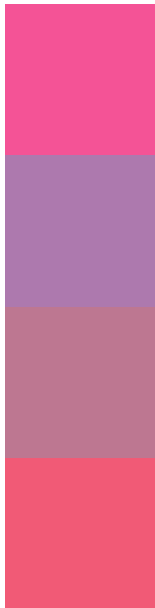




Tritanopia

27.4508, 0.4980, 0.3236

Trichromacy



Original Color

27.6216, 0.4360, 0.2623

Protanomaly

25.6150, 0.3151, 0.2545

Deuteranomaly

26.0568, 0.3680, 0.2933

Tritanomaly

27.3211, 0.4765, 0.3014

Monochromacy



Original Color

27.6216, 0.4360, 0.2623

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

24.5239, 0.3561, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6216, 0.4360, 0.2623 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(244, 83, 150)` looks like.

```
.text, #text, p{  
    color:rgb(244, 83, 150)  
}
```

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(244, 83, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 83, 150) }
```

Border

The CSS property to change the border of an element to Yxy 27.6216, 0.4360, 0.2623 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(244, 83, 150) }
```

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

```
.border{ border-color:rgb(244, 83, 150) }
```

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

Here you see how a box with a 4 pixel rgb(244, 83, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 83, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 83, 150);  
box-shadow:4px 4px 4px 4px rgb(244, 83,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6216, 0.4360, 0.2623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 83, 150) }
```

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

```
.background{ background-color: rgb(244, 83,  
150) }
```

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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