

Converting Colors

$Y_{xy}(27.8334, 0.4259, 0.2515)$

Have a look what the booklet for
Yxy(27.8334, 0.4259, 0.2515)
contains.

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Color

Yxy(27.8334, 0.4259, 0.2515)

Conversions

Conversions Part 1

Format	Color
Hex	F6509F
RGB	246, 80, 159
RGB Percent	96%, 31%, 62%
CMY	0.0353, 0.6863, 0.3764
CMYK	0.00, 0.67, 0.35, 0.04
HSL	331°, 90%, 64%
HSV	331°, 67%, 96%
XYZ	47.1342, 27.8334, 35.7020
YIQ	138.6400, 73.5770, 59.7610

Conversions

Conversions Part 2

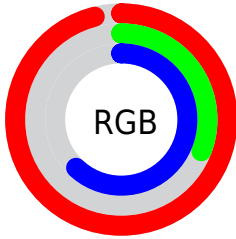
Format	Color
R_{YB}	246, 80, 159
Decimal	16142495
CIE _{Lab}	59.74, 69.31, -7.33
CIE _{LCh}	60, 69.694, 353.962
Yxy	27.8334, 0.4259, 0.2515
Android (android.graphics.Color)	4294332575 (0xFFFF6509F)
YUV	138.6400, 10.0375, 94.1547
Hunter-Lab	52.7574, 67.1490, -3.1926

Details

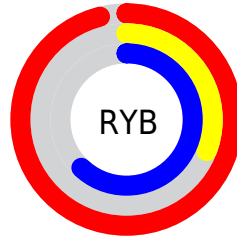
The Yxy color **27.8334, 0.4259, 0.2515** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **70.4052, 0.2677, 0.4359**, and the grayscale version is **25.6147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5803, 0.3555, 0.2531**, and **11.3970, 0.4607, 0.2312** is the 20% darker color. If you saturate the color by 10%, you get **24.4433, 0.4520, 0.2478**, and if you desaturate by 10%, it is **32.5909, 0.4015, 0.2593**.

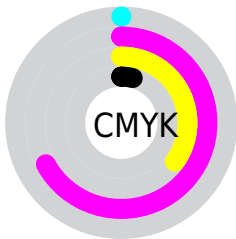
Distribution



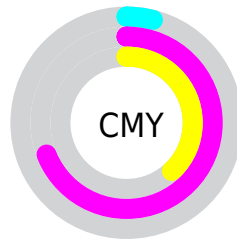
- Red (96%)
- Green (31%)
- Blue (62%)



- Red (96%)
- Yellow (31%)
- Blue (62%)



- Cyan (0%)
- Magenta (67%)
- Yellow (35%)
- Black (4%)




- Cyan (4%)
- Magenta (69%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8334, 0.4259, 0.2515 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 27.8334, 0.4259, 0.2515 by changing the saturation by 10% instead.


 27.8334, 0.4259,
0.2515


 27.8334, 0.4259,
0.2515


291.6700, 0.3659,
0.2916


 18.2001, 0.4419,
0.2412


 56.2183, 0.4033,
0.2663

 11.0938, 0.4631,
0.2278


 75.7388, 0.3951,
0.2718

 6.1299, 0.4921,
0.2097


 99.3238, 0.3882,
0.2764

 2.9242, 0.5343,
0.1844

 127.3576, 0.3823,
0.2804

 1.0923, 0.5996,
0.1471

160.2248, 0.3773,
0.2838

 0.0000, 0.8031,
0.0000

198.3096, 0.3730,

 0.0000, 1.0000,

0.2867

0.0000

241.9966, 0.3692,
0.2893

■ 0.0000, 0.0000,
0.0000

■ 27.8334, 0.4259,
0.2515

■ 27.8334, 0.4259,
0.2515

■ 24.4433, 0.4520,
0.2478

■ 32.5909, 0.4015,
0.2593

■ 22.2628, 0.4785,
0.2492

■ 38.8418, 0.3796,
0.2700


■ 21.0921, 0.5038,
0.2561


■ 46.7027, 0.3606,
0.2822


■ 20.8794, 0.5100,
0.2583

■ 56.2771, 0.3445,
0.2950

■ 67.6600, 0.3310,
0.3079

 80.9393, 0.3198,
0.3202

 96.1970, 0.3106,
0.3319

 98.3325, 0.3072,
0.3290

Harmonies

Analogous

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



27.8334, 0.3063, 0.1999



27.8334, 0.4259, 0.2515



27.8334, 0.5158, 0.3179

Triad

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



27.8334, 0.4259, 0.2515



27.8334, 0.3871, 0.5346



27.8334, 0.1316, 0.2070

Complementary

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



27.8334, 0.4259, 0.2515



70.4052, 0.2677, 0.4359

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.



27.8334, 0.1434, 0.2893



27.8334, 0.4259, 0.2515



27.8334, 0.2848, 0.5291

Square

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



27.8334, 0.4259, 0.2515



27.8334, 0.4773, 0.4698



27.8334, 0.1952, 0.4202



27.8334, 0.1533, 0.1726

Rectangle

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



27.8334, 0.4259, 0.2515



27.8334, 0.5344, 0.3662



27.8334, 0.1952, 0.4202



27.8334, 0.1316, 0.2284

Sweetspot

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



27.8349, 0.4259, 0.2515



70.0627, 0.3342, 0.3046



20.4739, 0.2427, 0.1413



14.2395, 0.3380, 0.3010



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.



27.8349, 0.4259, 0.2515



25.5106, 0.4618, 0.2477



26.3235, 0.5364, 0.3320



16.6139, 0.3219, 0.3178



11.1728, 0.5062, 0.2562



1.0026, 0.4769, 0.2401

Inverse Universe

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



27.8349, 0.4259, 0.2515



25.5106, 0.4618, 0.2477



72.5993, 0.2333, 0.3254



16.6139, 0.3219, 0.3178



11.1728, 0.5062, 0.2562



1.0026, 0.4769, 0.2401

Previews

White Background



This preview shows how the Yxy color 27.8334, 0.4259, 0.2515 looks on a white background.

Color Contrast Check

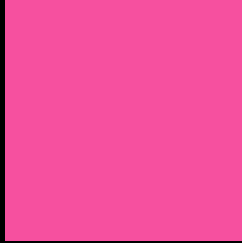
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8334, 0.4259, 0.2515 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 27.8334, 0.4259, 0.2515

Background



This preview shows how black text looks on a background with the Yxy color 27.8334, 0.4259, 0.2515.



This preview shows how white text looks on a background with the Yxy color 27.8334, 0.4259, 0.2515.

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

27.8334, 0.4259, 0.2515

Protanopia

28.0282, 0.2500, 0.2429

Deuteranopia

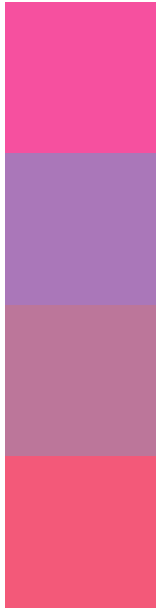
27.9591, 0.3178, 0.3120



Tritanopia

27.8028, 0.4998, 0.3237

Trichromacy



Original Color

27.8334, 0.4259, 0.2515

Protanomaly

25.2425, 0.3005, 0.2375

Deuteranomaly

25.9813, 0.3559, 0.2797

Tritanomaly

27.5799, 0.4747, 0.2976

Monochromacy



Original Color

27.8334, 0.4259, 0.2515

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

24.4972, 0.3538, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8334, 0.4259, 0.2515 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, 80, 159)` looks like.

```
.text, #text, p{  
    color:rgb(246, 80, 159)  
}
```

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, 80, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 80, 159) }
```

Border

The CSS property to change the border of an element to Yxy 27.8334, 0.4259, 0.2515 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, 80, 159) }
```

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

```
.border{ border-color:rgb(246, 80, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 80, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 80, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 80, 159);  
box-shadow:4px 4px 4px 4px rgb(246, 80,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8334, 0.4259, 0.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 80, 159) }
```

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

```
.background{ background-color: rgb(246, 80,  
159) }
```

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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