

Converting Colors

$Y_{xy}(27.3427, 0.4548, 0.2559)$

Have a look what the booklet for
Yxy(27.3427, 0.4548, 0.2559)
contains.

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Color

Yxy(27.2945, 0.4555, 0.2562)

Conversions

Conversions Part 1

Format	Color
Hex	FF4294
RGB	255, 66, 148
RGB Percent	100%, 26%, 58%
CMY	0.0001, 0.7410, 0.4197
CMYK	0.00, 0.74, 0.42, 0.00
HSL	334°, 100%, 63%
HSV	334°, 74%, 100%
XYZ	48.5271, 27.2945, 30.7143
YIQ	131.8590, 86.3220, 65.5700

Conversions

Conversions Part 2

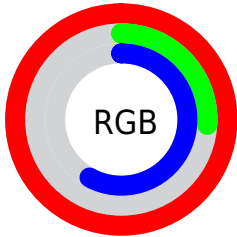
Format	Color
R _Y B	255, 66, 148
Decimal	16728724
CIE Lab	59.25, 75.29, -1.43
CIE LCh	59, 75.302, 358.910
Yxy	27.2945, 0.4555, 0.2562
Android (android.graphics.Color)	4294918804 (0xFFFF4294)
YUV	131.8590, 7.9575, 107.9947
Hunter-Lab	52.2441, 74.3730, 1.7143

Details

The Yxy color **27.2945, 0.4555, 0.2562** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **75.6892, 0.2633, 0.4375**, and the grayscale version is **22.9754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2248, 0.3696, 0.2550**, and **12.2193, 0.4933, 0.2491** is the 20% darker color. If you saturate the color by 10%, you get **24.5198, 0.4847, 0.2568**, and if you desaturate by 10%, it is **31.4560, 0.4271, 0.2605**.

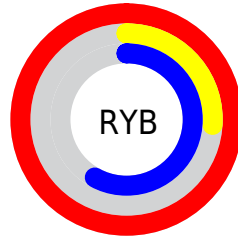
Distribution



Red (100%)

Green (26%)

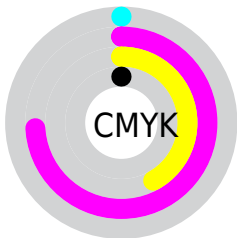
Blue (58%)



Red (100%)

Yellow (26%)

Blue (58%)

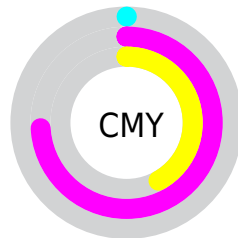


Cyan (0%)

Magenta (74%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (74%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2945, 0.4555, 0.2562 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 27.2945, 0.4555, 0.2562 by changing the saturation by 10% instead.


 27.2945, 0.4555,
0.2562


 27.2945, 0.4555,
0.2562


289.0802, 0.3790,
0.2950


 17.7945, 0.4761,
0.2459


 55.3561, 0.4266,
0.2708


 10.8026, 0.5033,
0.2322


 74.6865, 0.4160,
0.2761


 5.9342, 0.5407,
0.2136


 98.0625, 0.4073,
0.2806

 2.8051, 0.5946,
0.1870

 125.8685, 0.3998,
0.2843

 1.0309, 0.6766,
0.1470

 158.4888, 0.3935,
0.2876

 0.0000, 0.9957,
0.0000

196.3080, 0.3880,

 0.0000, 1.0000,

0.2904

0.0000

239.7103, 0.3832,
0.2928

■ 0.0000, 0.0000,
0.0000

■ 27.2945, 0.4555,
0.2562

■ 27.2945, 0.4555,
0.2562

■ 24.5198, 0.4847,
0.2568

■ 31.4560, 0.4271,
0.2605

■ 22.9339, 0.5129,
0.2629


■ 37.1583, 0.4010,
0.2684


■ 22.3949, 0.5286,
0.2686

■ 44.5394, 0.3780,
0.2787

■ 53.7208, 0.3583,
0.2901

■ 64.8126, 0.3418,
0.3019

 77.9161, 0.3281,
0.3136

 93.1251, 0.3167,
0.3247

99.9970, 0.3127,
0.3290

Harmonies

Analogous

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



27.2945, 0.3257, 0.1989



27.2945, 0.4555, 0.2562



27.2945, 0.5409, 0.3267

Triad

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



27.2945, 0.4555, 0.2562



27.2945, 0.3706, 0.5572



27.2945, 0.1222, 0.1886

Complementary

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



27.2945, 0.4555, 0.2562



75.6892, 0.2633, 0.4375

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.



27.2945, 0.1276, 0.2654



27.2945, 0.4555, 0.2562



27.2945, 0.2624, 0.5369

Square

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



27.2945, 0.4555, 0.2562



27.2945, 0.4713, 0.4893



27.2945, 0.1733, 0.4027



27.2945, 0.1504, 0.1604

Rectangle

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



27.2945, 0.4555, 0.2562



27.2945, 0.5494, 0.3775



27.2945, 0.1733, 0.4027



27.2945, 0.1202, 0.2078

Sweetspot

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



27.2960, 0.4555, 0.2562



67.4007, 0.3387, 0.3044



19.6628, 0.2395, 0.1288



13.7165, 0.3427, 0.3012



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.



27.2960, 0.4555, 0.2562



23.6110, 0.4988, 0.2591



26.7503, 0.5632, 0.3365



18.1179, 0.3226, 0.3187



11.7322, 0.5245, 0.2663



1.1638, 0.4957, 0.2504

Inverse Universe

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



27.2960, 0.4555, 0.2562



23.6110, 0.4988, 0.2591



74.0091, 0.2278, 0.3174



18.1179, 0.3226, 0.3187



11.7322, 0.5245, 0.2663



1.1638, 0.4957, 0.2504

Previews

White Background



This preview shows how the Yxy color 27.2945, 0.4555, 0.2562 looks on a white background.

Color Contrast Check

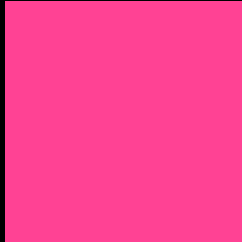
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2945, 0.4555, 0.2562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

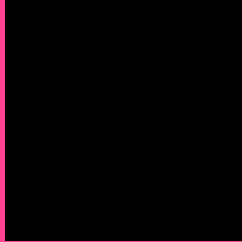
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2945, 0.4555, 0.2562

Background



This preview shows how black text looks on a background with the Yxy color 27.2945, 0.4555, 0.2562.



This preview shows how white text looks on a background with the Yxy color 27.2945, 0.4555, 0.2562.

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

27.2945, 0.4555, 0.2562

Protanopia

27.4568, 0.2539, 0.2489

Deuteranopia

27.3101, 0.3340, 0.3275



Tritanopia

27.2319, 0.5320, 0.3254

Trichromacy



Original Color

27.2945, 0.4555, 0.2562



Protanomaly

24.2076, 0.3134, 0.2415



Deuteranomaly

24.8788, 0.3789, 0.2886



Tritanomaly

26.9685, 0.5069, 0.3005

Monochromacy



Original Color

27.2945, 0.4555, 0.2562



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.9072, 0.3657, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2945, 0.4555, 0.2562 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, 66, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 66, 148)  
}
```

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, 66, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 66, 148) }
```

Border

The CSS property to change the border of an element to Yxy 27.2945, 0.4555, 0.2562 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, 66, 148) }
```

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

```
.border{ border-color:rgb(255, 66, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 66, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 66, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 66, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 66,  
148) }
```


Background

The CSS property to change the background color of an element to `rgb(255, 66, 148)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 66, 148) }
```

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

```
.background{ background-color: rgb(255, 66,  
148) }
```

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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