

Converting Colors

$Y_{xy}(29.9550, 0.4779, 0.2798)$

Have a look what the booklet for
Yxy(29.9550, 0.4779, 0.2798)
contains.

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Color

Yxy(28.4580, 0.4708, 0.2772)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF4E87 |
| RGB | 255, 78, 135 |
| RGB Percent | 100%, 31%, 53% |
| CMY | 0.0001, 0.6940, 0.4705 |
| CMYK | 0.00, 0.69, 0.47, 0.00 |
| HSL | 341°, 100%, 65% |
| HSV | 341°, 69%, 100% |
| XYZ | 48.3334, 28.4580, 25.8709 |
| YIQ | 137.4210, 87.1950, 55.2510 |

Conversions

Conversions Part 2

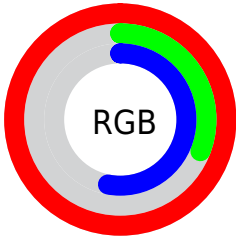
| Format | Color |
|-------------------------------------|---------------------------------------------|
| RYB | 255, 78, 135 |
| Decimal | 16731783 |
| CIELab | 60.30, 70.21, 7.68 |
| CIELCh | 60, 70.630, 6.241 |
| Yxy | 28.4580, 0.4708, 0.2772 |
| Android (android.graphics.Color) | 4294921863 (0xFFFF4E87) |
| YUV | 137.4210, -1.1936, 103.1168 |
| Hunter-Lab | 53.3460, 68.3718, 8.5887 |

Details

The Yxy color **28.4580, 0.4708, 0.2772** is a light color, and the websafe version is hex **FF6699**. The color can be described as light washed rose. A complement of this color would be **77.2073, 0.2556, 0.4020**, and the grayscale version is **25.1691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0678, 0.3827, 0.2774**, and **12.0093, 0.5196, 0.2636** is the 20% darker color. If you saturate the color by 10%, you get **25.0620, 0.5066, 0.2776**, and if you desaturate by 10%, it is **33.3398, 0.4366, 0.2809**.

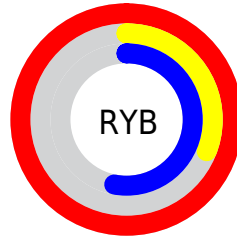
Distribution



Red (100%)

Green (31%)

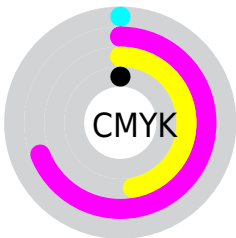
Blue (53%)



Red (100%)

Yellow (31%)

Blue (53%)

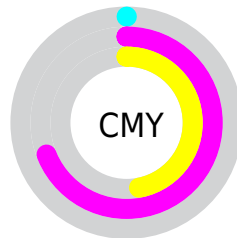


Cyan (0%)

Magenta (69%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (69%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4580, 0.4708, 0.2772 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 28.4580, 0.4708, 0.2772 by changing the saturation by 10% instead.


 28.4580, 0.4708,
0.2772


 28.4580, 0.4708,
0.2772


294.6490, 0.3857,
0.3066

 18.6712, 0.4937,
0.2687


 57.2148, 0.4385,
0.2887

 11.4329, 0.5240,
0.2572


 76.9536, 0.4268,
0.2928

 6.3588, 0.5655,
0.2409


 100.7786, 0.4171,
0.2961

 3.0645, 0.6248,
0.2162

 129.0741, 0.4088,
0.2989

 1.1655, 0.7155,
0.1773

162.2244, 0.4018,
0.3013

 0.0332, 0.9845,
0.0155

200.6141, 0.3957,


 0.0000, 1.0000,


0.3033


0.0000

244.6275, 0.3904,
0.3051


 0.0000, 0.0000,
0.0000

 28.4580, 0.4708,
0.2772


 28.4580, 0.4708,
0.2772


 25.0620, 0.5066,
0.2776

 33.3398, 0.4366,
0.2809

 22.9707, 0.5412,
0.2829


 39.8514, 0.4059,
0.2873


 21.9169, 0.5715,
0.2925

 48.1246, 0.3795,
0.2954

 21.8675, 0.5732,
0.2931

 58.2767, 0.3574,
0.3041

 70.4146, 0.3391,
0.3129

 84.6370, 0.3242,
0.3215

99.9967, 0.3127,
0.3290

Harmonies

Analogous

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



28.4580, 0.3549, 0.2180



28.4580, 0.4708, 0.2772



28.4580, 0.5327, 0.3471

Triad

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



28.4580, 0.4708, 0.2772



28.4580, 0.3454, 0.5462



28.4580, 0.1358, 0.1874

Complementary

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



28.4580, 0.4708, 0.2772



77.2073, 0.2556, 0.4020

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.



28.4580, 0.1334, 0.2483



28.4580, 0.4708, 0.2772



28.4580, 0.2444, 0.4958

Square

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



28.4580, 0.4708, 0.2772



28.4580, 0.4436, 0.5010



28.4580, 0.1680, 0.3632



28.4580, 0.1713, 0.1682

Rectangle

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



28.4580, 0.4708, 0.2772



28.4580, 0.5294, 0.3972



28.4580, 0.1680, 0.3632



28.4580, 0.1313, 0.2023

Sweetspot

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



28.4596, 0.4708, 0.2772



68.3417, 0.3418, 0.3115



24.4078, 0.2639, 0.1480



13.8863, 0.3466, 0.3091



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.



28.4596, 0.4708, 0.2772



24.1721, 0.5194, 0.2789



32.4321, 0.5249, 0.3552



18.0835, 0.3243, 0.3214



11.4520, 0.5689, 0.2908



1.1340, 0.5370, 0.2732

Inverse Universe

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



28.4596, 0.4708, 0.2772



24.1721, 0.5194, 0.2789



62.9561, 0.2240, 0.2923



18.0835, 0.3243, 0.3214



11.4520, 0.5689, 0.2908



1.1340, 0.5370, 0.2732

Previews

White Background



This preview shows how the Yxy color 28.4580, 0.4708, 0.2772 looks on a white background.

Color Contrast Check

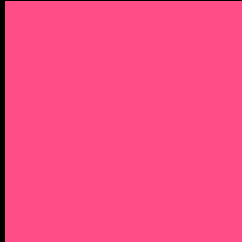
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4580, 0.4708, 0.2772 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 28.4580, 0.4708, 0.2772

Background



This preview shows how black text looks on a background with the Yxy color 28.4580, 0.4708, 0.2772.



This preview shows how white text looks on a background with the Yxy color 28.4580, 0.4708, 0.2772.

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

28.4580, 0.4708, 0.2772

Protanopia

28.5391, 0.2821, 0.2842

Deuteranopia

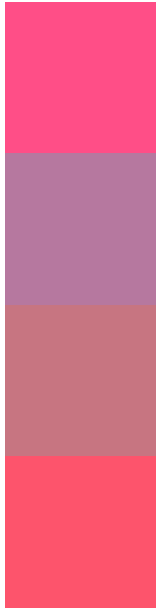
28.4780, 0.3579, 0.3505



Tritanopia

28.2845, 0.5231, 0.3253

Trichromacy



Original Color

28.4580, 0.4708, 0.2772

Protanomaly

25.8812, 0.3424, 0.2746

Deuteranomaly

26.4497, 0.4013, 0.3133

Tritanomaly

28.3060, 0.5047, 0.3080

Monochromacy



Original Color

28.4580, 0.4708, 0.2772

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

23.9717, 0.3696, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4580, 0.4708, 0.2772 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, 78, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 78, 135)  
}
```

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, 78, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 78, 135) }
```

Border

The CSS property to change the border of an element to Yxy 28.4580, 0.4708, 0.2772 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, 78, 135) }
```

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

```
.border{ border-color:rgb(255, 78, 135) }
```

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

Here you see how a box with a 4 pixel rgb(255, 78, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 78, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 78, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 78,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4580, 0.4708, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 78, 135) }
```

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

```
.background{ background-color: rgb(255, 78,  
135) }
```

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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