

Converting Colors

$Y_{xy}(27.8787, 0.4990, 0.2956)$

Have a look what the booklet for
Yxy(27.8787, 0.4990, 0.2956)
contains.

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Color

Yxy(27.8287, 0.4990, 0.2951)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | FF4D74 |
| RGB | 255, 77, 116 |
| RGB Percent | 100%, 30%, 45% |
| CMY | 0.0000, 0.6982, 0.5451 |
| CMYK | 0.00, 0.70, 0.55, 0.00 |
| HSL | 347°, 100%, 65% |
| HSV | 347°, 70%, 100% |
| XYZ | 47.0570, 27.8287, 19.4169 |
| YIQ | 134.6680, 93.5690, 49.8650 |

Conversions

Conversions Part 2

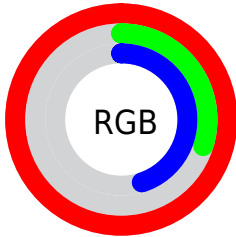
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 255, 77, 116 |
| Decimal | 16731508 |
| CIELab | 59.73, 69.11, 18.00 |
| CIElCh | 60, 71.415, 14.600 |
| Yxy | 27.8287, 0.4990, 0.2951 |
| Android (android.graphics.Color) | 4294921588 (0xFFFF4D74) |
| YUV | 134.6680, -9.2033, 105.5312 |
| Hunter-Lab | 52.7529, 66.9091, 15.1040 |

Details

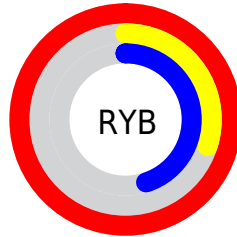
The Yxy color **27.8287, 0.4990, 0.2951** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **78.0514, 0.2479, 0.3779**, and the grayscale version is **24.0983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9785, 0.4050, 0.2970**, and **11.6238, 0.5568, 0.2841** is the 20% darker color. If you saturate the color by 10%, you get **24.5144, 0.5398, 0.2970**, and if you desaturate by 10%, it is **32.6284, 0.4589, 0.2966**.

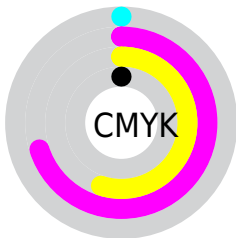
Distribution



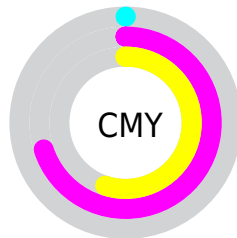
- Red (100%)
- Green (30%)
- Blue (45%)



- Red (100%)
- Yellow (30%)
- Blue (45%)



- Cyan (0%)
- Magenta (70%)
- Yellow (55%)
- Black (0%)



- Cyan (0%)
- Magenta (70%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8287, 0.4990, 0.2951 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 27.8287, 0.4990, 0.2951 by changing the saturation by 10% instead.


 27.8287, 0.4990,
0.2951

 27.8287, 0.4990,
0.2951

291.6475, 0.3981,
0.3175


 18.1966, 0.5261,
0.2876


 56.2108, 0.4608,
0.3046

 11.0912, 0.5616,
0.2767


 75.7296, 0.4469,
0.3078

 6.1282, 0.6095,
0.2603

 99.3128, 0.4353,
0.3103

 2.9232, 0.6758,
0.2339

 127.3447, 0.4255,
0.3123

 1.0918, 0.8025,
0.1975

160.2097, 0.4172,
0.3140

 0.0000, 1.0000,
0.0000

198.2922, 0.4099,

 0.0000, 0.0000,

0.3153

0.0000

241.9767, 0.4036,
0.3165

■ 27.8287, 0.4990,
0.2951

■ 27.8287, 0.4990,
0.2951

■ 24.5144, 0.5398,
0.2970

■ 32.6284, 0.4589,
0.2966

■ 22.5215, 0.5769,
0.3027

■ 39.0820, 0.4225,
0.3005

■ 21.5583, 0.6060,
0.3113

■ 47.3170, 0.3912,
0.3058

■ 21.5448, 0.6064,
0.3114

■ 57.4528, 0.3651,
0.3118

■ 69.5986, 0.3437,
0.3178

83.8551, 0.3265,
0.3236

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.8287, 0.3904, 0.2313



27.8287, 0.4990, 0.2951



27.8287, 0.5391, 0.3674

Triad

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



27.8287, 0.4990, 0.2951



27.8287, 0.3159, 0.5482



27.8287, 0.1400, 0.1763

Complementary

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



27.8287, 0.4990, 0.2951



78.0514, 0.2479, 0.3779

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.



27.8287, 0.1283, 0.2243



27.8287, 0.4990, 0.2951



27.8287, 0.2175, 0.4658

Square

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



27.8287, 0.4990, 0.2951



27.8287, 0.4186, 0.5221



27.8287, 0.1517, 0.3258



27.8287, 0.1858, 0.1664

Rectangle

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



27.8287, 0.4990, 0.2951



27.8287, 0.5216, 0.4193



27.8287, 0.1517, 0.3258



27.8287, 0.1325, 0.1873

Sweetspot

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



27.8232, 0.4990, 0.2951



68.0574, 0.3460, 0.3171



26.7366, 0.2803, 0.1552



13.8196, 0.3516, 0.3154



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.



27.8232, 0.4990, 0.2951



23.5330, 0.5560, 0.2989



36.3202, 0.5109, 0.3723



18.0523, 0.3260, 0.3238



11.2756, 0.6027, 0.3094



1.1133, 0.5721, 0.2925

Inverse Universe

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



27.8232, 0.4990, 0.2951



23.5330, 0.5560, 0.2989



53.6753, 0.2178, 0.2685



18.0523, 0.3260, 0.3238



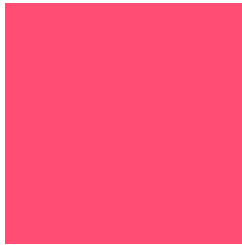
11.2756, 0.6027, 0.3094



1.1133, 0.5721, 0.2925

Previews

White Background



This preview shows how the Yxy color 27.8287, 0.4990, 0.2951 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 27.8287, 0.4990, 0.2951 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 27.8287, 0.4990, 0.2951

Background



This preview shows how black text looks on a background with the Yxy color 27.8287, 0.4990, 0.2951.



This preview shows how white text looks on a background with the Yxy color 27.8287, 0.4990, 0.2951.

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

27.8287, 0.4990, 0.2951

Protanopia

27.8346, 0.3090, 0.3194

Deuteranopia

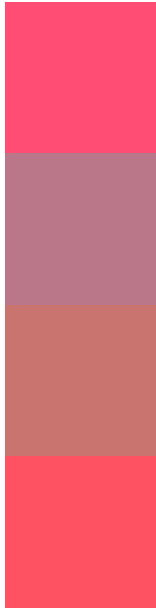
27.7845, 0.3833, 0.3761



Tritanopia

27.7573, 0.5328, 0.3263

Trichromacy



Original Color

27.8287, 0.4990, 0.2951

Protanomaly

25.3141, 0.3734, 0.3037

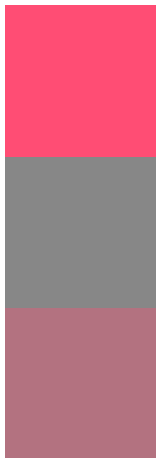
Deuteranomaly

26.0341, 0.4293, 0.3372

Tritanomaly

27.8375, 0.5208, 0.3150

Monochromacy



Original Color

27.8287, 0.4990, 0.2951

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.1768, 0.3797, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8287, 0.4990, 0.2951 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, 77, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 116)  
}
```

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, 77, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 116) }
```

Border

The CSS property to change the border of an element to Yxy 27.8287, 0.4990, 0.2951 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, 77, 116) }
```

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

```
.border{ border-color:rgb(255, 77, 116) }
```

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

Here you see how a box with a 4 pixel rgb(255, 77, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8287, 0.4990, 0.2951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 116) }
```

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

```
.background{ background-color: rgb(255, 77,  
116) }
```

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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