

Converting Colors

$Y_{xy}(27.7572, 0.5002, 0.2956)$

Have a look what the booklet for
Yxy(27.7572, 0.5002, 0.2956)
contains.

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Color

Yxy(27.8056, 0.5004, 0.2961)

Conversions

Conversions Part 1

Format	Color
Hex	FF4D73
RGB	255, 77, 115
RGB Percent	100%, 30%, 45%
CMY	0.0000, 0.6980, 0.5490
CMYK	0.00, 0.70, 0.55, 0.00
HSL	347°, 100%, 65%
HSV	347°, 70%, 100%
XYZ	46.9906, 27.8056, 19.1099
YIQ	134.5540, 93.8900, 49.5540

Conversions

Conversions Part 2

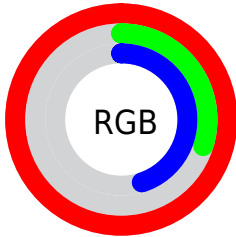
Format	Color
RYB	255, 77, 115
Decimal	16731507
CIELab	59.71, 69.01, 18.56
CIElCh	60, 71.466, 15.054
Yxy	27.8056, 0.5004, 0.2961
Android (android.graphics.Color)	4294921587 (0xFFFF4D73)
YUV	134.5540, -9.6401, 105.6311
Hunter-Lab	52.7310, 66.7889, 15.4248

Details

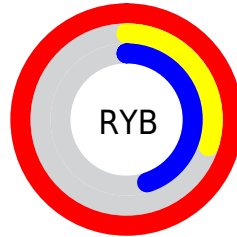
The Yxy color **27.8056, 0.5004, 0.2961** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **78.1076, 0.2475, 0.3765**, and the grayscale version is **24.0648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9413, 0.4061, 0.2980**, and **11.6117, 0.5588, 0.2852** is the 20% darker color. If you saturate the color by 10%, you get **24.4969, 0.5415, 0.2980**, and if you desaturate by 10%, it is **32.6124, 0.4600, 0.2975**.

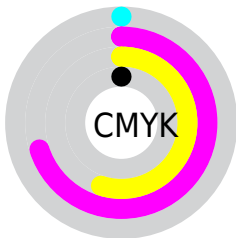
Distribution



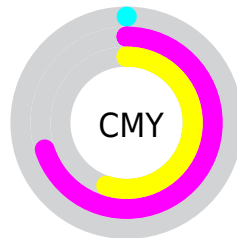
- Red (100%)
- Green (30%)
- Blue (45%)



- 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 27.8056, 0.5004, 0.2961 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 27.8056, 0.5004, 0.2961 by changing the saturation by 10% instead.


 27.8056, 0.5004,
0.2961

 27.8056, 0.5004,
0.2961


291.5368, 0.3987,
0.3181


 18.1792, 0.5277,
0.2886


 56.1739, 0.4619,
0.3055


 11.0787, 0.5634,
0.2778


 75.6846, 0.4479,
0.3086

 6.1198, 0.6115,
0.2613

 99.2588, 0.4362,
0.3111

 2.9181, 0.6780,
0.2348

 127.2810, 0.4263,
0.3131

 1.0891, 0.8024,
0.1976

160.1355, 0.4179,
0.3147

 0.0000, 1.0000,
0.0000

198.2067, 0.4107,

 0.0000, 0.0000,

0.3160

0.0000

241.8790, 0.4043,
0.3171

■ 27.8056, 0.5004,
0.2961

■ 27.8056, 0.5004,
0.2961

■ 24.4969, 0.5415,
0.2980

■ 32.6124, 0.4600,
0.2975

■ 22.5053, 0.5786,
0.3037

■ 39.0690, 0.4233,
0.3013


■ 21.5451, 0.6075,
0.3122

■ 47.3087, 0.3917,
0.3065

■ 21.5305, 0.6080,
0.3123

■ 57.4510, 0.3654,
0.3122

■ 69.6052, 0.3439,
0.3181

 83.8720, 0.3265,
0.3238

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.



27.8056, 0.3923, 0.2321



27.8056, 0.5004, 0.2961



27.8056, 0.5393, 0.3685

Triad

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



27.8056, 0.5004, 0.2961



27.8056, 0.3143, 0.5481



27.8056, 0.1403, 0.1757

Complementary

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



27.8056, 0.5004, 0.2961



78.1076, 0.2475, 0.3765

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.



27.8056, 0.1281, 0.2231



27.8056, 0.5004, 0.2961



27.8056, 0.2161, 0.4639

Square

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



27.8056, 0.5004, 0.2961



27.8056, 0.4172, 0.5232



27.8056, 0.1509, 0.3238



27.8056, 0.1866, 0.1663

Rectangle

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



27.8056, 0.5004, 0.2961



27.8056, 0.5210, 0.4205



27.8056, 0.1509, 0.3238



27.8056, 0.1326, 0.1866

Sweetspot

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



27.8057, 0.5004, 0.2961



68.0415, 0.3463, 0.3174



27.1930, 0.2831, 0.1566



13.8158, 0.3519, 0.3158



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.



27.8057, 0.5004, 0.2961



23.5125, 0.5578, 0.2999



37.0870, 0.5081, 0.3752



18.0505, 0.3261, 0.3239



11.2677, 0.6043, 0.3103



1.1123, 0.5740, 0.2936

Inverse Universe

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



27.8057, 0.5004, 0.2961



23.5125, 0.5578, 0.2999



52.2536, 0.2169, 0.2645



18.0505, 0.3261, 0.3239



11.2677, 0.6043, 0.3103



1.1123, 0.5740, 0.2936

Previews

White Background



This preview shows how the Yxy color 27.8056, 0.5004, 0.2961 looks on a white background.

Color Contrast Check

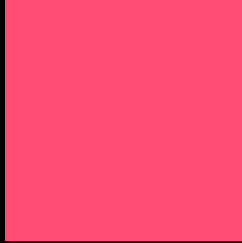
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8056, 0.5004, 0.2961 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 27.8056, 0.5004, 0.2961

Background



This preview shows how black text looks on a background with the Yxy color 27.8056, 0.5004, 0.2961.



This preview shows how white text looks on a background with the Yxy color 27.8056, 0.5004, 0.2961.

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

27.8056, 0.5004, 0.2961

Protanopia

27.8940, 0.3110, 0.3210

Deuteranopia

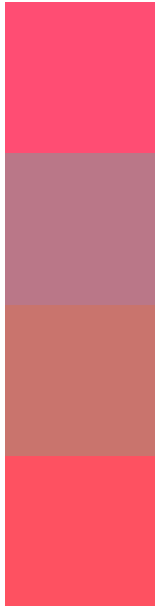
27.7636, 0.3844, 0.3776



Tritanopia

27.9455, 0.5335, 0.3263

Trichromacy



Original Color

27.8056, 0.5004, 0.2961

Protanomaly

25.4103, 0.3759, 0.3052

Deuteranomaly

26.0124, 0.4306, 0.3385

Tritanomaly

27.8188, 0.5221, 0.3160

Monochromacy



Original Color

27.8056, 0.5004, 0.2961

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 27.8056, 0.5004, 0.2961 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 115) }
```

Border

The CSS property to change the border of an element to Yxy 27.8056, 0.5004, 0.2961 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, 115) }
```

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

```
.border{ border-color:rgb(255, 77, 115) }
```

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, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8056, 0.5004, 0.2961 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, 115) }
```

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

```
.background{ background-color: rgb(255, 77,  
115) }
```

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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