

# Converting Colors

$Y_{xy}(28.6493, 0.4959, 0.3014)$

Have a look what the booklet for  
Yxy(28.6493, 0.4959, 0.3014)  
contains.

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# Color

**Yxy(28.6493, 0.4959, 0.3014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE5473
RGB	254, 84, 115
RGB Percent	100%, 33%, 45%
CMY	0.0039, 0.6705, 0.5490
CMYK	0.00, 0.67, 0.55, 0.00
HSL	349°, 99%, 66%
HSV	349°, 67%, 100%
XYZ	47.1373, 28.6493, 19.2675
YIQ	138.3640, 91.3690, 45.6810

# Conversions

## Conversions Part 2

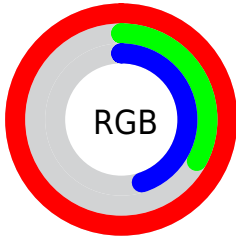
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 84, 115
Decimal	16667763
CIE Lab	60.47, 66.16, 19.56
CIE LCh	60, 68.988, 16.473
Yxy	28.6493, 0.4959, 0.3014
Android (android.graphics.Color)	4294857843 (0xFFFE5473)
YUV	138.3640, -11.5185, 101.4128
Hunter-Lab	53.5250, 63.5288, 16.1248

# Details

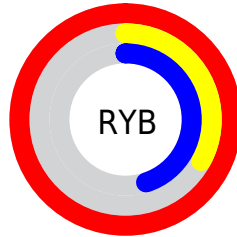
The Yxy color **28.6493, 0.4959, 0.3014** is a light color, and the websafe version is hex **FF3366**. The color can be described as light muted rose. A complement of this color would be **78.0944, 0.2465, 0.3673**, and the grayscale version is **25.5833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3960, 0.4043, 0.3031**, and **11.5250, 0.5575, 0.2853** is the 20% darker color. If you saturate the color by 10%, you get **24.9710, 0.5385, 0.3025**, and if you desaturate by 10%, it is **33.8671, 0.4547, 0.3031**.

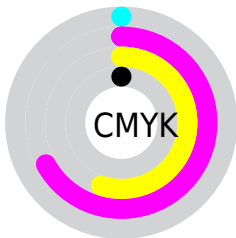
# Distribution



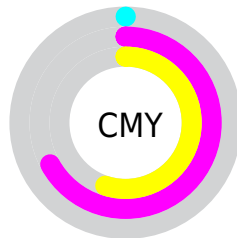
- Red (100%)
- Green (33%)
- Blue (45%)



- Red (100%)
- Yellow (33%)
- Blue (45%)



- Cyan (0%)
- Magenta (67%)
- Yellow (55%)
- Black (0%)




- Cyan (0%)
- Magenta (67%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6493, 0.4959, 0.3014 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 28.6493, 0.4959, 0.3014 by changing the saturation by 10% instead.





 28.6493, 0.4959,  
0.3014


 28.6493, 0.4959,  
0.3014


295.5566, 0.3970,  
0.3206

 18.8157, 0.5223,  
0.2947


 57.5194, 0.4585,  
0.3098

 11.5372, 0.5569,  
0.2848


 77.3247, 0.4449,  
0.3125

 6.4294, 0.6035,  
0.2697


 101.2227, 0.4335,  
0.3146

 3.1079, 0.6678,  
0.2450

 129.5978, 0.4239,  
0.3163

 1.1883, 0.7894,  
0.2106

162.8343, 0.4157,  
0.3177

 0.0521, 0.9741,  
0.0259

201.3167, 0.4086,


 0.0000, 1.0000,


0.3188


0.0000


245.4293, 0.4024,  
0.3198


 0.0000, 0.0000,  
0.0000


 28.6493, 0.4959,  
0.3014

 28.6493, 0.4959,  
0.3014

 24.9710, 0.5385,  
0.3025


 33.8671, 0.4547,  
0.3031


 22.6571, 0.5777,  
0.3070

 40.7648, 0.4179,  
0.3066


 21.4941, 0.6083,  
0.3144

 49.4724, 0.3865,  
0.3112

 21.2698, 0.6158,  
0.3166

 60.1058, 0.3606,  
0.3161

 72.7712, 0.3395,  
0.3211

 87.5669, 0.3225,  
0.3259

99.8101, 0.3121,  
0.3290

# Harmonies

## Analogous

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



28.6493, 0.3948, 0.2383



28.6493, 0.4959, 0.3014



28.6493, 0.5304, 0.3726

# Triad

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



28.6493, 0.4959, 0.3014



28.6493, 0.3110, 0.5362



28.6493, 0.1471, 0.1800

# Complementary

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



28.6493, 0.4959, 0.3014



78.0944, 0.2465, 0.3673

# 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.



28.6493, 0.1338, 0.2245



28.6493, 0.4959, 0.3014



28.6493, 0.2167, 0.4512

# Square

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



28.6493, 0.4959, 0.3014



28.6493, 0.4108, 0.5193



28.6493, 0.1549, 0.3191



28.6493, 0.1942, 0.1719



# Rectangle

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



28.6493, 0.4959, 0.3014



28.6493, 0.5118, 0.4233



28.6493, 0.1549, 0.3191



28.6493, 0.1391, 0.1901

# Sweetspot

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



28.6509, 0.4959, 0.3014



69.2650, 0.3455, 0.3196



29.1597, 0.2902, 0.1645



14.0503, 0.3514, 0.3182



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.



28.6509, 0.4959, 0.3014



24.3355, 0.5512, 0.3035



39.8420, 0.4920, 0.3804



18.0412, 0.3266, 0.3247



11.2294, 0.6125, 0.3148



1.1073, 0.5836, 0.2988



# Inverse Universe

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



28.6509, 0.4959, 0.3014



24.3355, 0.5512, 0.3035



50.4276, 0.2178, 0.2600



18.0412, 0.3266, 0.3247



11.2294, 0.6125, 0.3148



1.1073, 0.5836, 0.2988



# Previews

## White Background



This preview shows how the Yxy color 28.6493, 0.4959, 0.3014 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

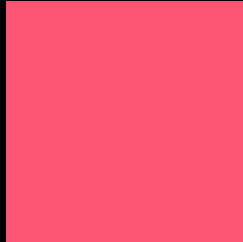
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 28.6493, 0.4959, 0.3014 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 28.6493, 0.4959, 0.3014**

## Background



This preview shows how black text looks on a background with the Yxy color 28.6493, 0.4959, 0.3014.



This preview shows how white text looks on a background with the Yxy color 28.6493, 0.4959, 0.3014.

# 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

28.6493, 0.4959, 0.3014

### Protanopia

28.6847, 0.3169, 0.3290

### Deuteranopia

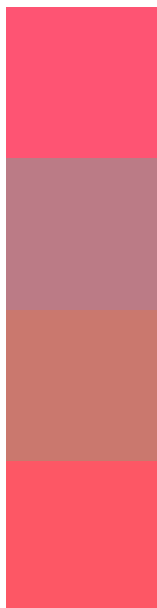
28.7019, 0.3857, 0.3783



## Tritanopia

28.6524, 0.5219, 0.3253

# Trichromacy



## Original Color

28.6493, 0.4959, 0.3014

## Protanomaly

26.4519, 0.3781, 0.3137

## Deuteranomaly

27.1153, 0.4279, 0.3424

## Tritanomaly

28.6386, 0.5123, 0.3171

# Monochromacy



## Original Color

28.6493, 0.4959, 0.3014

## Achromatopsia

25.4152, 0.3127, 0.3290

## Achromatomaly

24.2719, 0.3767, 0.3117

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.6493, 0.4959, 0.3014 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(254, 84, 115)` looks like.

```
.text, #text, p{  
    color:rgb(254, 84, 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(254, 84, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 84, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 28.6493, 0.4959, 0.3014 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(254, 84, 115) }
```

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

```
.border{ border-color:rgb(254, 84, 115) }
```

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

Here you see how a box with a 4 pixel rgb(254, 84, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 84, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 84, 115);  
box-shadow:4px 4px 4px 4px rgb(254, 84,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.6493, 0.4959, 0.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 84, 115) }
```

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

```
.background{ background-color: rgb(254, 84,  
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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