

# Converting Colors

$Y_{xy}(28.3267, 0.5071, 0.3031)$

Have a look what the booklet for  
Yxy(28.3267, 0.5071, 0.3031)  
contains.

<b>Yxy(28.1231, 0.5059, 0.3032)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(28.1231, 0.5059, 0.3032)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF506E
RGB	255, 80, 110
RGB Percent	100%, 31%, 43%
CMY	0.0000, 0.6863, 0.5686
CMYK	0.00, 0.69, 0.57, 0.00
HSL	350°, 100%, 66%
HSV	350°, 69%, 100%
XYZ	46.9244, 28.1231, 17.7068
YIQ	135.7450, 94.6700, 46.4300

# Conversions

## Conversions Part 2

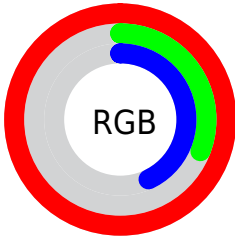
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 80, 110
Decimal	16732270
CIE <sub>Lab</sub>	60.00, 67.59, 21.87
CIE <sub>LCh</sub>	60, 71.040, 17.928
Yxy	28.1231, 0.5059, 0.3032
Android (android.graphics.Color)	4294922350 (0xFFFF506E)
YUV	135.7450, -12.6923, 104.5866
Hunter-Lab	53.0312, 65.1402, 17.3253

# Details

The Yxy color **28.1231, 0.5059, 0.3032** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle muted rose. A complement of this color would be **78.6622, 0.2450, 0.3659**, and the grayscale version is **24.5427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2984, 0.4121, 0.3063**, and **11.5653, 0.5667, 0.2895** is the 20% darker color. If you saturate the color by 10%, you get **24.6647, 0.5487, 0.3049**, and if you desaturate by 10%, it is **33.1086, 0.4637, 0.3043**.

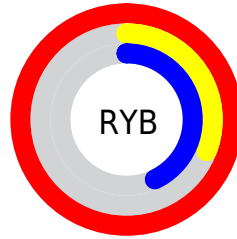
# Distribution



Red (100%)

Green (31%)

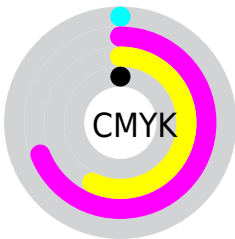
Blue (43%)



Red (100%)

Yellow (31%)

Blue (43%)

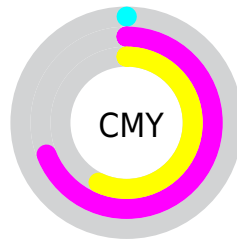


Cyan (0%)

Magenta (69%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (69%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1231, 0.5059, 0.3032 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 28.1231, 0.5059, 0.3032 by changing the saturation by 10% instead.





 28.1231, 0.5059,  
0.3032


 28.1231, 0.5059,  
0.3032


293.0547, 0.4015,  
0.3222


 18.4185, 0.5337,  
0.2962


 56.6809, 0.4664,  
0.3117


 11.2508, 0.5700,  
0.2859


 76.3029, 0.4520,  
0.3144

 6.2358, 0.6185,  
0.2699

 99.9995, 0.4400,  
0.3165

 2.9890, 0.6847,  
0.2435

 128.1550, 0.4299,  
0.3181

 1.1260, 0.7966,  
0.2034

161.1539, 0.4212,  
0.3195

 0.0000, 1.0000,  
0.0000


199.3805, 0.4137,


 0.0000, 0.0000,

0.3205


0.0000


243.2193, 0.4072,  
0.3214


 28.1231, 0.5059,  
0.3032


 28.1231, 0.5059,  
0.3032


 24.6647, 0.5487,  
0.3049


 33.1086, 0.4637,  
0.3043


 22.5532, 0.5868,  
0.3098


 39.7695, 0.4254,  
0.3073


 21.5382, 0.6151,  
0.3171

 48.2391, 0.3925,  
0.3115

 21.4397, 0.6183,  
0.3180

 58.6364, 0.3653,  
0.3161

 71.0705, 0.3432,  
0.3208

 85.6422, 0.3253,  
0.3253

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.



28.1231, 0.4034, 0.2384



28.1231, 0.5059, 0.3032



28.1231, 0.5368, 0.3759

# Triad

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



28.1231, 0.5059, 0.3032



28.1231, 0.3047, 0.5428



28.1231, 0.1444, 0.1746

# Complementary

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



28.1231, 0.5059, 0.3032



78.6622, 0.2450, 0.3659

# 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.



28.1231, 0.1291, 0.2175



28.1231, 0.5059, 0.3032



28.1231, 0.2091, 0.4497

# Square

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



28.1231, 0.5059, 0.3032



28.1231, 0.4074, 0.5274



28.1231, 0.1483, 0.3120



28.1231, 0.1940, 0.1682



# Rectangle

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



28.1231, 0.5059, 0.3032



28.1231, 0.5146, 0.4280



28.1231, 0.1483, 0.3120



28.1231, 0.1357, 0.1842

# Sweetspot

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



28.1239, 0.5059, 0.3032



67.9280, 0.3480, 0.3197



28.6330, 0.2893, 0.1614



13.7893, 0.3540, 0.3184



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.



28.1239, 0.5059, 0.3032



23.8114, 0.5623, 0.3062



39.2848, 0.4984, 0.3808



18.0379, 0.3267, 0.3249



11.2174, 0.6151, 0.3162



1.1056, 0.5868, 0.3006



# Inverse Universe

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



28.1239, 0.5059, 0.3032



23.8114, 0.5623, 0.3062



50.0423, 0.2160, 0.2579



18.0379, 0.3267, 0.3249



11.2174, 0.6151, 0.3162



1.1056, 0.5868, 0.3006



# Previews

## White Background



This preview shows how the Yxy color 28.1231, 0.5059, 0.3032 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 28.1231, 0.5059, 0.3032 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 28.1231, 0.5059, 0.3032**

## Background



This preview shows how black text looks on a background with the Yxy color 28.1231, 0.5059, 0.3032.



This preview shows how white text looks on a background with the Yxy color 28.1231, 0.5059, 0.3032.

# 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

28.1231, 0.5059, 0.3032

### Protanopia

28.1359, 0.3209, 0.3354

### Deuteranopia

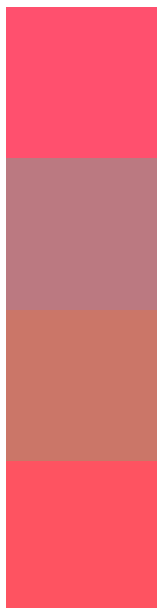
28.2891, 0.3928, 0.3856



## Tritanopia

28.1327, 0.5304, 0.3254

# Trichromacy



## Original Color

28.1231, 0.5059, 0.3032

## Protanomaly

25.8245, 0.3853, 0.3179

## Deuteranomaly

26.6529, 0.4380, 0.3474

## Tritanomaly

28.1204, 0.5209, 0.3176

# Monochromacy



## Original Color

28.1231, 0.5059, 0.3032

## Achromatopsia

24.6201, 0.3127, 0.3290

## Achromatomaly

23.6068, 0.3802, 0.3131

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.1231, 0.5059, 0.3032 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, 80, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 80, 110)  
}
```

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, 80, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 80, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 28.1231, 0.5059, 0.3032 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, 80, 110) }
```

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

```
.border{ border-color:rgb(255, 80, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 80, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 80, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 80, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 80,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.1231, 0.5059, 0.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 80, 110) }
```

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

```
.background{ background-color: rgb(255, 80,  
110) }
```

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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