

# Converting Colors

$Y_{xy}(28.9394, 0.5051, 0.3319)$

Have a look what the booklet for  
Yxy(28.9394, 0.5051, 0.3319)  
contains.

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# Color

**Yxy(28.9924, 0.5046, 0.3315)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F56260
RGB	245, 98, 96
RGB Percent	96%, 38%, 38%
CMY	0.0393, 0.6156, 0.6236
CMYK	0.00, 0.60, 0.61, 0.04
HSL	1°, 88%, 67%
HSV	1°, 61%, 96%
XYZ	44.1314, 28.9924, 14.3344
YIQ	141.7250, 88.2540, 30.5420

# Conversions

## Conversions Part 2

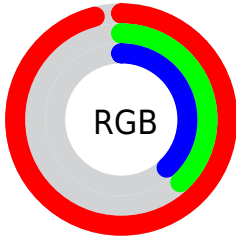
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 98, 96
Decimal	16081504
CIE Lab	60.77, 56.25, 30.63
CIE LCh	61, 64.046, 28.569
Yxy	28.9924, 0.5046, 0.3315
Android (android.graphics.Color)	4294271584 (0xFFFF56260)
YUV	141.7250, -22.5424, 90.5722
Hunter-Lab	53.8446, 52.0719, 21.9071

# Details

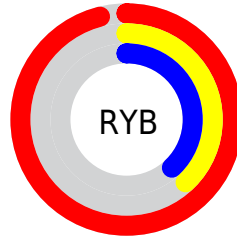
The Yxy color **28.9924, 0.5046, 0.3315** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **73.1526, 0.2379, 0.3263**, and the grayscale version is **27.0034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4778, 0.4206, 0.3367**, and **11.8152, 0.5657, 0.3204** is the 20% darker color. If you saturate the color by 10%, you get **24.7499, 0.5526, 0.3316**, and if you desaturate by 10%, it is **34.7432, 0.4581, 0.3312**.

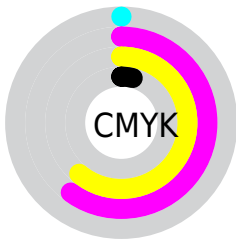
# Distribution



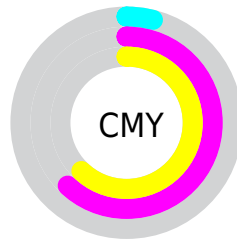
- Red (96%)
- Green (38%)
- Blue (38%)



- Red (96%)
- Yellow (38%)
- Blue (38%)



- Cyan (0%)
- Magenta (60%)
- Yellow (61%)
- Black (4%)



- Cyan (4%)
- Magenta (62%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9924, 0.5046, 0.3315 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 28.9924, 0.5046, 0.3315 by changing the saturation by 10% instead.




 28.9924, 0.5046,  
0.3315


 28.9924, 0.5046,  
0.3315


297.1791, 0.4014,  
0.3369

 19.0751, 0.5316,  
0.3274


 58.0650, 0.4659,  
0.3354

 11.7245, 0.5665,  
0.3204


 77.9891, 0.4517,  
0.3362

 6.5564, 0.6122,  
0.3079


 102.0175, 0.4398,  
0.3367

 3.1863, 0.6797,  
0.2875

 130.5347, 0.4297,  
0.3370

 1.2297, 0.7577,  
0.2423

163.9251, 0.4211,  
0.3371

 0.0858, 0.9496,  
0.0504


202.5730, 0.4137,

 0.0000, 1.0000,

0.3371


0.0000


246.8629, 0.4072,  
0.3370

 0.0000, 0.0000,  
0.0000


 28.9924, 0.5046,  
0.3315


 28.9924, 0.5046,  
0.3315

 24.7499, 0.5526,  
0.3316


 34.7432, 0.4581,  
0.3312


 21.8702, 0.5953,  
0.3314

 42.1206, 0.4170,  
0.3308


 20.1879, 0.6254,  
0.3309


 51.2366, 0.3825,  
0.3303

 19.4824, 0.6394,  
0.3305

 62.1922, 0.3545,  
0.3299

 75.0804, 0.3320,  
0.3294

 89.9880, 0.3140,  
0.3290

 98.1500, 0.3066,  
0.3290

# Harmonies

## Analogous

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



28.9924, 0.4315, 0.2671



28.9924, 0.5046, 0.3315



28.9924, 0.5096, 0.4018

# Triad

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



28.9924, 0.5046, 0.3315



28.9924, 0.2754, 0.4980



28.9924, 0.1705, 0.1821

# Complementary

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



28.9924, 0.5046, 0.3315



73.1526, 0.2379, 0.3263

# 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.



28.9924, 0.1451, 0.2100



28.9924, 0.5046, 0.3315



28.9924, 0.1957, 0.3924

# Square

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



28.9924, 0.5046, 0.3315



28.9924, 0.3704, 0.5216



28.9924, 0.1520, 0.2796



28.9924, 0.2300, 0.1855



# Rectangle

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



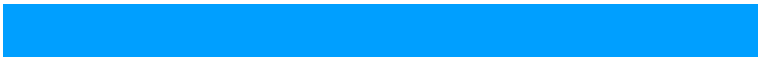
28.9924, 0.5046, 0.3315



28.9924, 0.4788, 0.4500



28.9924, 0.1520, 0.2796



28.9924, 0.1585, 0.1875

# Sweetspot

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



28.9940, 0.5046, 0.3315



71.8262, 0.3477, 0.3297



34.3660, 0.3193, 0.1882



14.5422, 0.3548, 0.3299



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.



28.9940, 0.5046, 0.3315



26.2437, 0.5633, 0.3316



49.1876, 0.4477, 0.4061



16.5186, 0.3293, 0.3294



10.5130, 0.6391, 0.3308



0.9365, 0.6366, 0.3327



# Inverse Universe

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



73.1526, 0.2379, 0.3263



78.3917, 0.2304, 0.3257



38.0113, 0.2160, 0.2295



18.7168, 0.2981, 0.3286



37.6720, 0.2235, 0.3246



3.3232, 0.2237, 0.3252



# Previews

## White Background



This preview shows how the Yxy color 28.9924, 0.5046, 0.3315 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

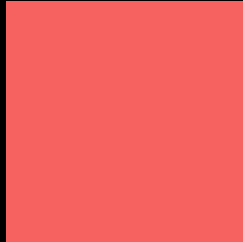
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.9924, 0.5046, 0.3315 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 28.9924, 0.5046, 0.3315**

## Background



This preview shows how black text looks on a background with the Yxy color 28.9924, 0.5046, 0.3315.



This preview shows how white text looks on a background with the Yxy color 28.9924, 0.5046, 0.3315.

# 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

28.9924, 0.5046, 0.3315

### Protanopia

29.1963, 0.3535, 0.3781

### Deuteranopia

28.9424, 0.4105, 0.4022



## Tritanopia

28.9411, 0.4964, 0.3237

# Trichromacy



## Original Color

28.9924, 0.5046, 0.3315

## Protanomaly

27.4960, 0.4073, 0.3572

## Deuteranomaly

27.9965, 0.4461, 0.3714

## Tritanomaly

28.8820, 0.5003, 0.3267

# Monochromacy



## Original Color

28.9924, 0.5046, 0.3315

## Achromatopsia

27.0498, 0.3127, 0.3290

## Achromatomaly

25.9861, 0.3786, 0.3307

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.9924, 0.5046, 0.3315 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(245, 98, 96)` looks like.

```
.text, #text, p{  
    color:rgb(245, 98, 96)  
}
```

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(245, 98, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 98, 96) }
```

## Border

The CSS property to change the border of an element to Yxy 28.9924, 0.5046, 0.3315 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(245, 98, 96) }
```

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

```
.border{ border-color:rgb(245, 98, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 98, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 98, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 98, 96);  
box-shadow:4px 4px 4px 4px rgb(245, 98,  
96) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.9924, 0.5046, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 98, 96) }
```

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

```
.background{ background-color: rgb(245, 98,  
96) }
```

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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