

# Converting Colors

$Y_{xy}(29.8854, 0.5059, 0.3391)$

Have a look what the booklet for  
Yxy(29.8854, 0.5059, 0.3391)  
contains.

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# Color

**Yxy(30.0836, 0.5053, 0.3391)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6675D
RGB	246, 103, 93
RGB Percent	96%, 40%, 36%
CMY	0.0354, 0.5960, 0.6352
CMYK	0.00, 0.58, 0.62, 0.04
HSL	4°, 89%, 66%
HSV	4°, 62%, 96%
XYZ	44.8282, 30.0836, 13.8042
YIQ	144.6170, 88.4380, 27.2060

# Conversions

## Conversions Part 2

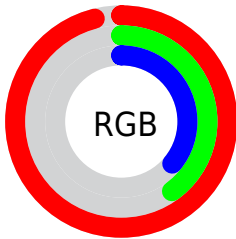
Format	Color
R <sub>Y</sub> B	246, 104, 93
Decimal	16148317
CIE Lab	61.73, 54.17, 33.54
CIE LCh	62, 63.716, 31.761
Yxy	30.0836, 0.5053, 0.3391
Android (android.graphics.Color)	4294338397 (0xFFFF6675D)
YUV	144.6170, -25.4472, 88.9129
Hunter-Lab	54.8485, 49.9048, 23.4719

# Details

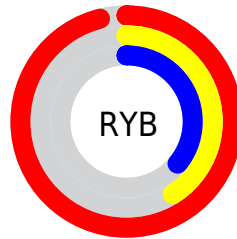
The Yxy color **30.0836, 0.5053, 0.3391** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **68.9596, 0.2347, 0.3165**, and the grayscale version is **28.2338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7273, 0.4217, 0.3440**, and **12.3496, 0.5660, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **25.7543, 0.5518, 0.3390**, and if you desaturate by 10%, it is **35.8134, 0.4600, 0.3382**.

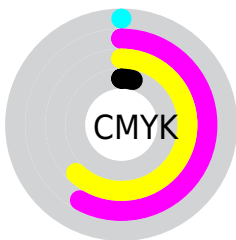
# Distribution



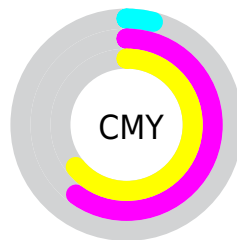
- Red (96%)
- Green (40%)
- Blue (36%)



- Red (96%)
- Yellow (41%)
- Blue (36%)



- Cyan (0%)
- Magenta (58%)
- Yellow (62%)
- Black (4%)




- Cyan (4%)
- Magenta (60%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0836, 0.5053, 0.3391 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 30.0836, 0.5053, 0.3391 by changing the saturation by 10% instead.





 30.0836, 0.5053,  
0.3391


 30.0836, 0.5053,  
0.3391


302.2939, 0.4025,  
0.3410


 19.9021, 0.5318,  
0.3358


 59.7944, 0.4670,  
0.3418


 12.3239, 0.5657,  
0.3296


 80.0924, 0.4528,  
0.3422

 6.9646, 0.6098,  
0.3182


 104.5313, 0.4410,  
0.3422

 3.4400, 0.6759,  
0.3001

 133.4956, 0.4309,  
0.3421

 1.3655, 0.7447,  
0.2553

167.3696, 0.4223,  
0.3419

 0.1911, 0.8986,  
0.1014

206.5377, 0.4148,

 0.0000, 1.0000,

0.3416

0.0000

251.3844, 0.4083,  
0.3413

0.0000, 0.0000,  
0.0000

30.0836, 0.5053,  
0.3391

30.0836, 0.5053,  
0.3391

25.7543, 0.5518,  
0.3390

35.8134, 0.4600,  
0.3382

22.7007, 0.5935,  
0.3375

43.0445, 0.4196,  
0.3367


20.7845, 0.6233,  
0.3348

51.8745, 0.3854,  
0.3349

19.9627, 0.6365,  
0.3328

62.3910, 0.3573,  
0.3329

74.6755, 0.3346,  
0.3311

 88.8041, 0.3162,  
0.3294

 98.3296, 0.3072,  
0.3290

# Harmonies

## Analogous

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



30.0836, 0.4397, 0.2744



30.0836, 0.5053, 0.3391



30.0836, 0.5035, 0.4091

# Triad

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



30.0836, 0.5053, 0.3391



30.0836, 0.2668, 0.4866



30.0836, 0.1771, 0.1831

# Complementary

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



30.0836, 0.5053, 0.3391



68.9596, 0.2347, 0.3165

# 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.



30.0836, 0.1484, 0.2072



30.0836, 0.5053, 0.3391



30.0836, 0.1911, 0.3785

# Square

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



30.0836, 0.5053, 0.3391



30.0836, 0.3602, 0.5201



30.0836, 0.1518, 0.2712



30.0836, 0.2396, 0.1894



# Rectangle

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



30.0836, 0.5053, 0.3391



30.0836, 0.4701, 0.4562



30.0836, 0.1518, 0.2712



30.0836, 0.1639, 0.1874

# Sweetspot

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



30.0853, 0.5053, 0.3391



71.6973, 0.3496, 0.3323



33.6144, 0.3268, 0.1914



14.5678, 0.3566, 0.3329



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.



30.0853, 0.5053, 0.3391



26.8317, 0.5650, 0.3387



51.8834, 0.4456, 0.4149



16.6564, 0.3292, 0.3306



10.7251, 0.6354, 0.3337



1.0024, 0.6239, 0.3428



# Inverse Universe

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



68.9596, 0.2347, 0.3165



72.0996, 0.2264, 0.3136



34.7697, 0.2116, 0.2161



18.5613, 0.2981, 0.3274



33.8145, 0.2190, 0.3085



3.0269, 0.2198, 0.3112



# Previews

## White Background



This preview shows how the Yxy color 30.0836, 0.5053, 0.3391 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.0836, 0.5053, 0.3391 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 30.0836, 0.5053, 0.3391**

## Background



This preview shows how black text looks on a background with the Yxy color 30.0836, 0.5053, 0.3391.



This preview shows how white text looks on a background with the Yxy color 30.0836, 0.5053, 0.3391.

# 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

30.0836, 0.5053, 0.3391

### Protanopia

30.1383, 0.3613, 0.3865

### Deuteranopia

30.2619, 0.4157, 0.4085



## Tritanopia

30.1431, 0.4903, 0.3237

# Trichromacy



## Original Color

30.0836, 0.5053, 0.3391

## Protanomaly

28.5988, 0.4136, 0.3663

## Deuteranomaly

29.1387, 0.4501, 0.3780

## Tritanomaly

30.2362, 0.4960, 0.3295

# Monochromacy



## Original Color

30.0836, 0.5053, 0.3391

## Achromatopsia

28.3149, 0.3127, 0.3290

## Achromatomaly

27.4167, 0.3792, 0.3350

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.0836, 0.5053, 0.3391 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(246, 103, 93)` looks like.

```
.text, #text, p{  
    color:rgb(246, 103, 93)  
}
```

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(246, 103, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 103, 93) }
```

## Border

The CSS property to change the border of an element to Yxy 30.0836, 0.5053, 0.3391 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(246, 103, 93) }
```

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

```
.border{ border-color:rgb(246, 103, 93) }
```

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

Here you see how a box with a 4 pixel rgb(246, 103, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 103, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 103, 93);  
box-shadow:4px 4px 4px 4px rgb(246, 103,  
93) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.0836, 0.5053, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 103, 93) }
```

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

```
.background{ background-color: rgb(246,  
103, 93) }
```

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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