

# Converting Colors

$Yxy(49.4293, 0.5739, 0.3352)$

Have a look what the booklet for  
Yxy(49.4293, 0.5739, 0.3352)  
contains.

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**Color**

**Yxy(29.9055, 0.5297, 0.3381)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5E54
RGB	255, 94, 84
RGB Percent	100%, 37%, 33%
CMY	0.0000, 0.6315, 0.6705
CMYK	0.00, 0.63, 0.67, 0.00
HSL	3°, 100%, 66%
HSV	3°, 67%, 100%
XYZ	46.8528, 29.9055, 11.6933
YIQ	140.9990, 99.1660, 31.0220

# Conversions

## Conversions Part 2

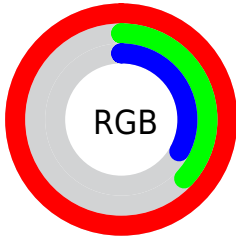
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 95, 84
Decimal	16735828
CIE <sub>Lab</sub>	61.57, 60.61, 38.68
CIE <sub>LCh</sub>	62, 71.901, 32.545
Yxy	29.9055, 0.5297, 0.3381
Android (android.graphics.Color)	4294925908 (0xFFFF5E54)
YUV	140.9990, -28.1005, 99.9789
Hunter-Lab	54.6859, 57.2317, 25.6024

# Details

The Yxy color **29.9055, 0.5297, 0.3381** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **74.4363, 0.2315, 0.3169**, and the grayscale version is **26.7120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1144, 0.4355, 0.3470**, and **12.1963, 0.5948, 0.3249** is the 20% darker color. If you saturate the color by 10%, you get **25.9457, 0.5748, 0.3374**, and if you desaturate by 10%, it is **35.3291, 0.4828, 0.3377**.

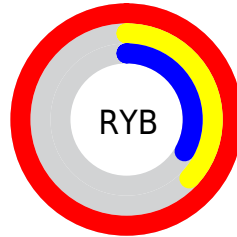
# Distribution



Red (100%)

Green (37%)

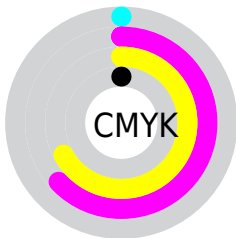
Blue (33%)



Red (100%)

Yellow (37%)

Blue (33%)

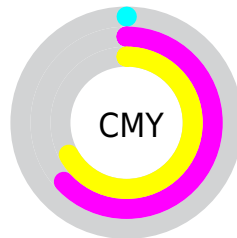


Cyan (0%)

Magenta (63%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (63%)


Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9055, 0.5297, 0.3381 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 29.9055, 0.5297, 0.3381 by changing the saturation by 10% instead.





 29.9055, 0.5297,  
0.3381


 29.9055, 0.5297,  
0.3381


301.4637, 0.4148,  
0.3427


 19.7669, 0.5585,  
0.3333


 59.5127, 0.4874,  
0.3424

 12.2257, 0.5947,  
0.3248


 79.7501, 0.4716,  
0.3432


 6.8976, 0.6404,  
0.3098


 104.1225, 0.4583,  
0.3435

 3.3981, 0.7115,  
0.2885

 133.0143, 0.4469,  
0.3436

 1.3429, 0.7659,  
0.2341

 166.8099, 0.4372,  
0.3435

 0.1741, 0.9172,  
0.0828

205.8938, 0.4288,


 0.0000, 1.0000,


0.3433

0.0000


250.6502, 0.4214,  
0.3430


 0.0000, 0.0000,  
0.0000


 29.9055, 0.5297,  
0.3381

 29.9055, 0.5297,  
0.3381


 25.9457, 0.5748,  
0.3374


 35.3291, 0.4828,  
0.3377

 23.3194, 0.6113,  
0.3355


 42.3563, 0.4394,  
0.3366

 21.8475, 0.6331,  
0.3328

 51.0948, 0.4018,  
0.3351

 21.5974, 0.6371,  
0.3323

 61.6467, 0.3706,  
0.3334

 74.1061, 0.3452,  
0.3317

 88.5607, 0.3247,  
0.3301

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.



29.9055, 0.4585, 0.2691



29.9055, 0.5297, 0.3381



29.9055, 0.5220, 0.4136

# Triad

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



29.9055, 0.5297, 0.3381



29.9055, 0.2560, 0.5084



29.9055, 0.1649, 0.1686

# Complementary

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



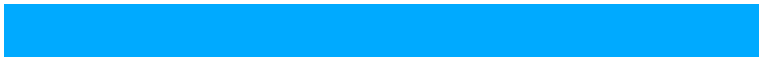
29.9055, 0.5297, 0.3381



74.4363, 0.2315, 0.3169

# 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.



29.9055, 0.1335, 0.1922



29.9055, 0.5297, 0.3381



29.9055, 0.1750, 0.3804

# Square

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



29.9055, 0.5297, 0.3381



29.9055, 0.3581, 0.5449



29.9055, 0.1353, 0.2594



29.9055, 0.2332, 0.1766



# Rectangle

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



29.9055, 0.5297, 0.3381



29.9055, 0.4817, 0.4666



29.9055, 0.1353, 0.2594



29.9055, 0.1506, 0.1725

# Sweetspot

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



29.9008, 0.5297, 0.3381



70.2307, 0.3521, 0.3322



34.2845, 0.3280, 0.1840



14.2753, 0.3591, 0.3326



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.



29.9008, 0.5297, 0.3381



25.0407, 0.5868, 0.3369



53.7637, 0.4584, 0.4194



18.1567, 0.3293, 0.3304



11.3513, 0.6360, 0.3332



1.1622, 0.6267, 0.3406



# Inverse Universe

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



74.4363, 0.2315, 0.3169



72.0970, 0.2245, 0.3143



34.5806, 0.2044, 0.2052



20.2895, 0.2980, 0.3276



36.4607, 0.2196, 0.3107



3.6030, 0.2203, 0.3129



# Previews

## White Background



This preview shows how the Yxy color 29.9055, 0.5297, 0.3381 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

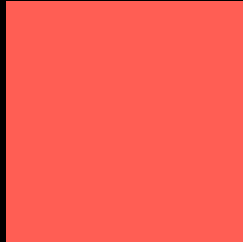
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.9055, 0.5297, 0.3381 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 29.9055, 0.5297, 0.3381**

## Background



This preview shows how black text looks on a background with the Yxy color 29.9055, 0.5297, 0.3381.



This preview shows how white text looks on a background with the Yxy color 29.9055, 0.5297, 0.3381.

# 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

29.9055, 0.5297, 0.3381

### Protanopia

30.0919, 0.3694, 0.3971

### Deuteranopia

29.9213, 0.4279, 0.4201



## Tritanopia

29.9705, 0.5138, 0.3252

# Trichromacy



## Original Color

29.9055, 0.5297, 0.3381

## Protanomaly

28.1657, 0.4294, 0.3720

## Deuteranomaly

28.7726, 0.4686, 0.3852

## Tritanomaly

29.8790, 0.5199, 0.3296

# Monochromacy



## Original Color

29.9055, 0.5297, 0.3381

## Achromatopsia

26.6356, 0.3127, 0.3290

## Achromatomaly

25.7165, 0.3894, 0.3350

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.9055, 0.5297, 0.3381 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, 94, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 84)  
}
```

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, 94, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 84) }
```

## Border

The CSS property to change the border of an element to Yxy 29.9055, 0.5297, 0.3381 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, 94, 84) }
```

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

```
.border{ border-color:rgb(255, 94, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 94, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
84) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.9055, 0.5297, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 84) }
```

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

```
.background{ background-color: rgb(255, 94,  
84) }
```

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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