

# Converting Colors

Yxy(26.8868, 0.5517, 0.3288)

Have a look what the booklet for  
Yxy(26.8868, 0.5517, 0.3288)  
contains.

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**Color**

**Yxy(26.8280, 0.5517, 0.3282)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4B4D
RGB	255, 75, 77
RGB Percent	100%, 29%, 30%
CMY	0.0000, 0.7059, 0.6981
CMYK	0.00, 0.71, 0.70, 0.00
HSL	359°, 100%, 65%
HSV	359°, 71%, 100%
XYZ	45.0975, 26.8280, 9.8173
YIQ	129.0480, 106.6380, 38.7820

# Conversions

## Conversions Part 2

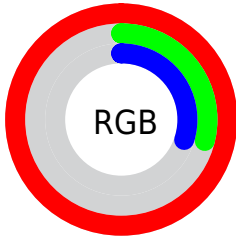
Format	Color
<b>RYB</b>	255, 75, 77
Decimal	16730957
CIELab	58.81, 67.50, 39.31
CIElCh	59, 78.113, 30.214
Yxy	26.8280, 0.5517, 0.3282
Android (android.graphics.Color)	4294921037 (0xFFFF4B4D)
YUV	129.0480, -25.6597, 110.4599
Hunter-Lab	51.7958, 64.7738, 25.0193

# Details

The Yxy color **26.8280, 0.5517, 0.3282** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **80.1097, 0.2331, 0.3311**, and the grayscale version is **22.0331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8166, 0.4538, 0.3376**, and **11.0514, 0.6157, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **23.7445, 0.5947, 0.3286**, and if you desaturate by 10%, it is **31.4341, 0.5035, 0.3280**.

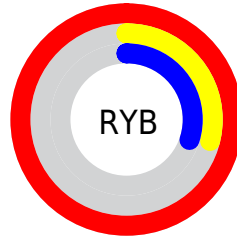
# Distribution



Red (100%)

Green (29%)

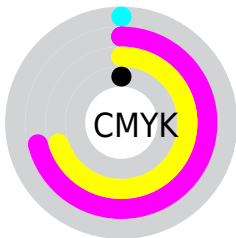
Blue (30%)



Red (100%)

Yellow (29%)

Blue (30%)

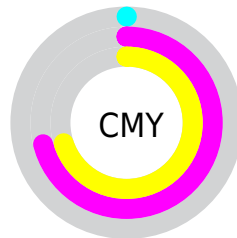


Cyan (0%)

Magenta (71%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (71%)


Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8280, 0.5517, 0.3282 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 26.8280, 0.5517, 0.3282 by changing the saturation by 10% instead.





 26.8280, 0.5517,  
0.3282


 26.8280, 0.5517,  
0.3282


286.8234, 0.4238,  
0.3396


 17.4441, 0.5839,  
0.3209


 54.6077, 0.5044,  
0.3355


 10.5516, 0.6240,  
0.3089


 73.7724, 0.4868,  
0.3373

 5.7662, 0.6748,  
0.2889

 96.9660, 0.4720,  
0.3384

 2.7034, 0.7434,  
0.2566

 124.5731, 0.4594,  
0.3390

 0.9789, 0.8049,  
0.1951

 156.9779, 0.4486,  
0.3394

 0.0000, 1.0000,  
0.0000


194.5650, 0.4392,


 0.0000, 0.0000,


0.3396


0.0000


237.7187, 0.4310,  
0.3396

 26.8280, 0.5517,  
0.3282


 26.8280, 0.5517,  
0.3282


 23.7445, 0.5947,  
0.3286


 31.4341, 0.5035,  
0.3280


 21.9903, 0.6251,  
0.3292


 37.7253, 0.4570,  
0.3280

 21.2661, 0.6393,  
0.3295

 45.8430, 0.4159,  
0.3281

 55.9136, 0.3816,  
0.3283

 68.0525, 0.3537,  
0.3285

 82.3659, 0.3314,  
0.3288

98.9529, 0.3136,  
0.3290

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.



26.8280, 0.4668, 0.2562



26.8280, 0.5517, 0.3282



26.8280, 0.5449, 0.4077

# Triad

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



26.8280, 0.5517, 0.3282



26.8280, 0.2544, 0.5434



26.8280, 0.1475, 0.1548

# Complementary

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



26.8280, 0.5517, 0.3282



80.1097, 0.2331, 0.3311

# 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.



26.8280, 0.1174, 0.1814



26.8280, 0.5517, 0.3282



26.8280, 0.1648, 0.3984

# Square

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



26.8280, 0.5517, 0.3282



26.8280, 0.3653, 0.5677



26.8280, 0.1208, 0.2572



26.8280, 0.2168, 0.1615



# Rectangle

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



26.8280, 0.5517, 0.3282



26.8280, 0.5003, 0.4664



26.8280, 0.1208, 0.2572



26.8280, 0.1336, 0.1595

# Sweetspot

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



26.8279, 0.5517, 0.3282



67.5094, 0.3547, 0.3285



32.9479, 0.3172, 0.1721



13.6920, 0.3619, 0.3285



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.



26.8279, 0.5517, 0.3282



22.8197, 0.6101, 0.3289



47.6091, 0.4780, 0.4105



17.9903, 0.3293, 0.3288



11.1134, 0.6390, 0.3294



1.0832, 0.6363, 0.3279



# Inverse Universe

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



26.8279, 0.5517, 0.3282



22.8197, 0.6101, 0.3289



36.7216, 0.2038, 0.2141



17.9903, 0.3293, 0.3288



11.1134, 0.6390, 0.3294



1.0832, 0.6363, 0.3279



# Previews

## White Background



This preview shows how the Yxy color 26.8280, 0.5517, 0.3282 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 26.8280, 0.5517, 0.3282 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 26.8280, 0.5517, 0.3282**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.8280, 0.5517, 0.3282.



This preview shows how white text looks on a background with the Yxy color 26.8280, 0.5517, 0.3282.

# 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

26.8280, 0.5517, 0.3282

### Protanopia

27.0579, 0.3677, 0.3954

### Deuteranopia

26.8472, 0.4325, 0.4244



## Tritanopia

26.8422, 0.5505, 0.3274

# Trichromacy



## Original Color

26.8280, 0.5517, 0.3282

## Protanomaly

24.6767, 0.4382, 0.3648

## Deuteranomaly

25.1026, 0.4828, 0.3794

## Tritanomaly

26.8422, 0.5505, 0.3274

# Monochromacy



## Original Color

26.8280, 0.5517, 0.3282

## Achromatopsia

21.9526, 0.3127, 0.3290

## Achromatomaly

21.1770, 0.4018, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.8280, 0.5517, 0.3282 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, 75, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 75, 77)  
}
```

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, 75, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 75, 77) }
```

## Border

The CSS property to change the border of an element to Yxy 26.8280, 0.5517, 0.3282 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, 75, 77) }
```

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

```
.border{ border-color:rgb(255, 75, 77) }
```

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

Here you see how a box with a 4 pixel rgb(255, 75, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 75, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 75, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 75,  
77) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 26.8280, 0.5517, 0.3282$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 75, 77) }
```

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

```
.background{ background-color: rgb(255, 75,  
77) }
```

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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