

# Converting Colors

$Yxy(27.0081, 0.5475, 0.3266)$

Have a look what the booklet for  
Yxy(27.0081, 0.5475, 0.3266)  
contains.

<b>Yxy(27.0081, 0.5475, 0.3266)</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(27.0081, 0.5475, 0.3266)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF4C50
RGB	255, 76, 80
RGB Percent	100%, 30%, 31%
CMY	0.0000, 0.7020, 0.6864
CMYK	0.00, 0.70, 0.69, 0.00
HSL	359°, 100%, 65%
HSV	359°, 70%, 100%
XYZ	45.2754, 27.0081, 10.4113
YIQ	129.9770, 105.4000, 39.1920

# Conversions

## Conversions Part 2

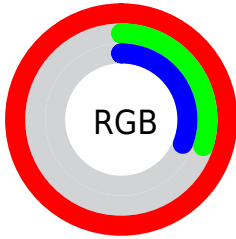
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 76, 80
Decimal	16731216
CIE <sub>Lab</sub>	58.98, 67.29, 37.82
CIE <sub>LCh</sub>	59, 77.195, 29.339
Yxy	27.0081, 0.5475, 0.3266
Android (android.graphics.Color)	4294921296 (0xFFFF4C50)
YUV	129.9770, -24.6387, 109.6452
Hunter-Lab	51.9693, 64.5619, 24.5007

# Details

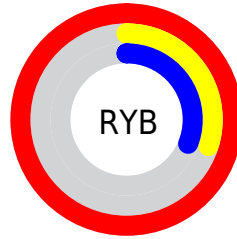
The Yxy color **27.0081, 0.5475, 0.3266** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle washed red. A complement of this color would be **80.0228, 0.2340, 0.3335**, and the grayscale version is **22.3732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1729, 0.4499, 0.3355**, and **11.0685, 0.6119, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **23.8602, 0.5911, 0.3273**, and if you desaturate by 10%, it is **31.6822, 0.4995, 0.3264**.

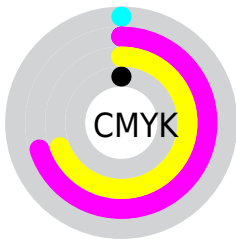
# Distribution



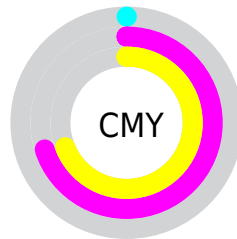
- Red (100%)
- Green (30%)
- Blue (31%)



- Red (100%)
- Yellow (30%)
- Blue (31%)



- Cyan (0%)
- Magenta (70%)
- Yellow (69%)
- Black (0%)




- Cyan (0%)
- Magenta (70%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0081, 0.5475, 0.3266 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 27.0081, 0.5475, 0.3266 by changing the saturation by 10% instead.




 27.0081, 0.5475,  
0.3266


 27.0081, 0.5475,  
0.3266


287.6963, 0.4217,  
0.3383


 17.5793, 0.5794,  
0.3195


 54.8969, 0.5009,  
0.3338

 10.6484, 0.6194,  
0.3079


 74.1256, 0.4835,  
0.3356

 5.8309, 0.6698,  
0.2883


 97.3898, 0.4690,  
0.3368

 2.7425, 0.7420,  
0.2580

 125.0739, 0.4566,  
0.3375

 0.9988, 0.8031,  
0.1969

 157.5622, 0.4460,  
0.3379

 0.0000, 1.0000,  
0.0000


195.2391, 0.4368,


 0.0000, 0.0000,


0.3381


0.0000


238.4890, 0.4288,  
0.3382


 27.0081, 0.5475,  
0.3266


 27.0081, 0.5475,  
0.3266

 23.8602, 0.5911,  
0.3273

 31.6822, 0.4995,  
0.3264

 22.0494, 0.6227,  
0.3283


 38.0454, 0.4536,  
0.3265

 21.2724, 0.6385,  
0.3291

 46.2371, 0.4132,  
0.3269

 56.3829, 0.3796,  
0.3274

 68.5974, 0.3523,  
0.3279

 82.9861, 0.3304,  
0.3285

99.6477, 0.3130,  
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.



27.0081, 0.4612, 0.2552



27.0081, 0.5475, 0.3266



27.0081, 0.5439, 0.4053

# Triad

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



27.0081, 0.5475, 0.3266



27.0081, 0.2587, 0.5426



27.0081, 0.1478, 0.1568

# Complementary

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



27.0081, 0.5475, 0.3266



80.0228, 0.2340, 0.3335

# 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.



27.0081, 0.1188, 0.1845



27.0081, 0.5475, 0.3266



27.0081, 0.1686, 0.4023

# Square

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



27.0081, 0.5475, 0.3266



27.0081, 0.3688, 0.5636



27.0081, 0.1234, 0.2616



27.0081, 0.2153, 0.1625



# Rectangle

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



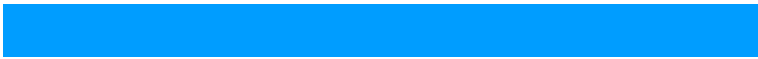
27.0081, 0.5475, 0.3266



27.0081, 0.5012, 0.4632



27.0081, 0.1234, 0.2616



27.0081, 0.1343, 0.1618

# Sweetspot

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



27.0073, 0.5475, 0.3266



67.5381, 0.3543, 0.3279



32.5343, 0.3143, 0.1712



13.6987, 0.3613, 0.3277



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.



27.0073, 0.5475, 0.3266



23.0259, 0.6049, 0.3276



46.7613, 0.4796, 0.4075



17.9936, 0.3291, 0.3285



11.1181, 0.6378, 0.3287



1.0847, 0.6325, 0.3258



# Inverse Universe

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



27.0073, 0.5475, 0.3266



23.0259, 0.6049, 0.3276



38.0582, 0.2053, 0.2190



17.9936, 0.3291, 0.3285



11.1181, 0.6378, 0.3287



1.0847, 0.6325, 0.3258



# Previews

## White Background



This preview shows how the Yxy color 27.0081, 0.5475, 0.3266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

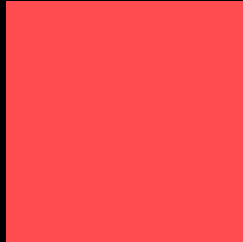
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 27.0081, 0.5475, 0.3266 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 27.0081, 0.5475, 0.3266**

## Background



This preview shows how black text looks on a background with the Yxy color 27.0081, 0.5475, 0.3266.



This preview shows how white text looks on a background with the Yxy color 27.0081, 0.5475, 0.3266.

# 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

27.0081, 0.5475, 0.3266

### Protanopia

27.1178, 0.3646, 0.3906

### Deuteranopia

26.8841, 0.4298, 0.4209



## Tritanopia

27.0081, 0.5475, 0.3266

# Trichromacy



## Original Color

27.0081, 0.5475, 0.3266

## Protanomaly

24.7302, 0.4345, 0.3608

## Deuteranomaly

25.3664, 0.4785, 0.3775

## Tritanomaly

27.0081, 0.5475, 0.3266

# Monochromacy



## Original Color

27.0081, 0.5475, 0.3266

## Achromatopsia

22.3228, 0.3127, 0.3290

## Achromatomaly

21.4357, 0.3985, 0.3263

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.0081, 0.5475, 0.3266 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, 76, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 76, 80)  
}
```

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, 76, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 76, 80) }
```

## Border

The CSS property to change the border of an element to Yxy 27.0081, 0.5475, 0.3266 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, 76, 80) }
```

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

```
.border{ border-color:rgb(255, 76, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 76, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 76, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 76, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 76,  
80) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.0081, 0.5475, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 76, 80) }
```

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

```
.background{ background-color: rgb(255, 76,  
80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor