

Converting Colors

$Y_{xy}(27.6659, 0.5390, 0.3312)$

Have a look what the booklet for
Yxy(27.6659, 0.5390, 0.3312)
contains.

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Color

Yxy(27.6632, 0.5400, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	FD5351
RGB	253, 83, 81
RGB Percent	99%, 33%, 32%
CMY	0.0078, 0.6745, 0.6824
CMYK	0.00, 0.67, 0.68, 0.01
HSL	1°, 98%, 65%
HSV	1°, 68%, 99%
XYZ	45.0894, 27.6632, 10.7463
YIQ	133.6020, 101.9620, 35.4180

Conversions

Conversions Part 2

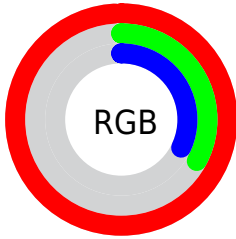
Format	Color
R_{YB}	253, 83, 81
Decimal	16601937
CIE _{Lab}	59.58, 64.17, 37.89
CIE _{LCh}	60, 74.518, 30.561
Yxy	27.6632, 0.5400, 0.3313
Android (android.graphics.Color)	4294792017 (0xFFFD5351)
YUV	133.6020, -25.9328, 104.7120
Hunter-Lab	52.5958, 60.9821, 24.7030

Details

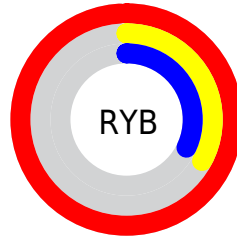
The Yxy color **27.6632, 0.5400, 0.3313** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **77.8409, 0.2332, 0.3264**, and the grayscale version is **23.7552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9484, 0.4443, 0.3397**, and **11.0113, 0.6093, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **24.1924, 0.5850, 0.3312**, and if you desaturate by 10%, it is **32.6574, 0.4917, 0.3312**.

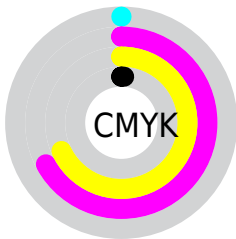
Distribution



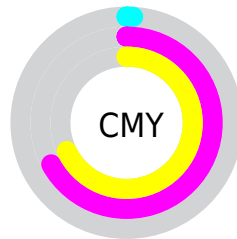
- Red (99%)
- Green (33%)
- Blue (32%)



- Red (99%)
- Yellow (33%)
- Blue (32%)



- Cyan (0%)
- Magenta (67%)
- Yellow (68%)
- Black (1%)




- Cyan (1%)
- Magenta (67%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6632, 0.5400, 0.3313 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 27.6632, 0.5400, 0.3313 by changing the saturation by 10% instead.


 27.6632, 0.5400,
0.3313


 27.6632, 0.5400,
0.3313


290.8540, 0.4184,
0.3400


 18.0719, 0.5708,
0.3251


 55.9463, 0.4950,
0.3373


 11.0016, 0.6096,
0.3147


 75.4069, 0.4782,
0.3387


 6.0679, 0.6584,
0.2967

 98.9260, 0.4641,
0.3395

 2.8864, 0.7306,
0.2694

 126.8881, 0.4522,
0.3400

 1.0727, 0.7900,
0.2100

 159.6776, 0.4419,
0.3402

 0.0000, 1.0000,
0.0000


197.6788, 0.4331,

 0.0000, 0.0000,


0.3402


0.0000

241.2762, 0.4253,
0.3402


 27.6632, 0.5400,
0.3313


 27.6632, 0.5400,
0.3313

 24.1924, 0.5850,
0.3312


 32.6574, 0.4917,
0.3312


 22.0673, 0.6191,
0.3308

 39.3175, 0.4463,
0.3309


 21.0691, 0.6371,
0.3304

 47.7749, 0.4069,
0.3305

 20.9487, 0.6395,
0.3304

 58.1469, 0.3741,
0.3301

 70.5404, 0.3477,
0.3296

 85.0548, 0.3265,
0.3293

99.6247, 0.3115,
0.3290

Harmonies

Analogous

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



27.6632, 0.4599, 0.2608



27.6632, 0.5400, 0.3313



27.6632, 0.5349, 0.4088

Triad

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



27.6632, 0.5400, 0.3313



27.6632, 0.2579, 0.5283



27.6632, 0.1547, 0.1617

Complementary

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



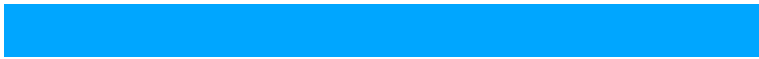
27.6632, 0.5400, 0.3313



77.8409, 0.2332, 0.3264

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.



27.6632, 0.1248, 0.1878



27.6632, 0.5400, 0.3313



27.6632, 0.1715, 0.3932

Square

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



27.6632, 0.5400, 0.3313



27.6632, 0.3647, 0.5561



27.6632, 0.1284, 0.2608



27.6632, 0.2225, 0.1683

Rectangle

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



27.6632, 0.5400, 0.3313



27.6632, 0.4933, 0.4648



27.6632, 0.1284, 0.2608



27.6632, 0.1409, 0.1663

Sweetspot

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



27.6648, 0.5400, 0.3313



69.0882, 0.3526, 0.3297



33.8613, 0.3198, 0.1770



14.0086, 0.3597, 0.3298



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.



27.6648, 0.5400, 0.3313



23.5979, 0.6005, 0.3311



49.1171, 0.4680, 0.4119



18.0209, 0.3294, 0.3293



11.1572, 0.6393, 0.3306



1.0977, 0.6373, 0.3322

Inverse Universe

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



77.8409, 0.2332, 0.3264



77.7747, 0.2269, 0.3258



36.4800, 0.2061, 0.2151



20.4430, 0.2980, 0.3287



40.1776, 0.2237, 0.3252



3.9232, 0.2238, 0.3256

Previews

White Background



This preview shows how the Yxy color 27.6632, 0.5400, 0.3313 looks on a white background.

Color Contrast Check

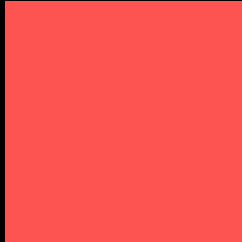
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6632, 0.5400, 0.3313 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 27.6632, 0.5400, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 27.6632, 0.5400, 0.3313.



This preview shows how white text looks on a background with the Yxy color 27.6632, 0.5400, 0.3313.

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

27.6632, 0.5400, 0.3313

Protanopia

27.9146, 0.3660, 0.3931

Deuteranopia

27.7063, 0.4284, 0.4202



Tritanopia

27.6054, 0.5335, 0.3255

Trichromacy



Original Color

27.6632, 0.5400, 0.3313

Protanomaly

25.8400, 0.4313, 0.3648

Deuteranomaly

26.2097, 0.4755, 0.3798

Tritanomaly

27.5731, 0.5359, 0.3272

Monochromacy



Original Color

27.6632, 0.5400, 0.3313

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

22.8464, 0.3942, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6632, 0.5400, 0.3313 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(253, 83, 81)` looks like.

```
.text, #text, p{  
    color:rgb(253, 83, 81)  
}
```

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(253, 83, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 83, 81) }
```

Border

The CSS property to change the border of an element to Yxy 27.6632, 0.5400, 0.3313 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(253, 83, 81) }
```

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

```
.border{ border-color:rgb(253, 83, 81) }
```

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

Here you see how a box with a 4 pixel rgb(253, 83, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 83, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 83, 81);  
box-shadow:4px 4px 4px 4px rgb(253, 83,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6632, 0.5400, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 83, 81) }
```

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

```
.background{ background-color: rgb(253, 83,  
81) }
```

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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