

Converting Colors

$Yxy(28.1344, 0.5628, 0.3449)$

Have a look what the booklet for
Yxy(28.1344, 0.5628, 0.3449)
contains.

Yxy(27.7943, 0.5613, 0.3451)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.7943, 0.5613, 0.3451)

Conversions

Conversions Part 1

Format	Color
Hex	FF533E
RGB	255, 83, 62
RGB Percent	100%, 33%, 24%
CMY	0.0000, 0.6745, 0.7569
CMYK	0.00, 0.67, 0.76, 0.00
HSL	7°, 100%, 62%
HSV	7°, 76%, 100%
XYZ	45.2070, 27.7943, 7.5385
YIQ	132.0340, 109.2530, 29.9330

Conversions

Conversions Part 2

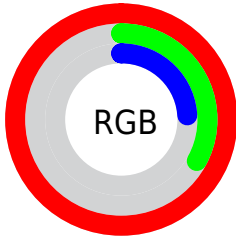
Format	Color
R_{YB}	255, 86, 62
Decimal	16732990
CIE _{Lab}	59.70, 63.99, 48.40
CIE _{LCh}	60, 80.232, 37.101
Yxy	27.7943, 0.5613, 0.3451
Android (android.graphics.Color)	4294923070 (0xFFFF533E)
YUV	132.0340, -34.5268, 107.8412
Hunter-Lab	52.7203, 60.8010, 28.4263

Details

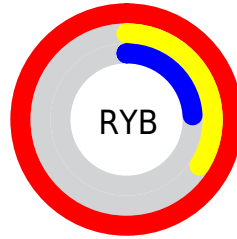
The Yxy color **27.7943, 0.5613, 0.3451** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **67.0905, 0.2233, 0.3029**, and the grayscale version is **23.1821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4575, 0.4651, 0.3595**, and **11.0685, 0.6303, 0.3265** is the 20% darker color. If you saturate the color by 10%, you get **24.6501, 0.5996, 0.3422**, and if you desaturate by 10%, it is **32.2062, 0.5166, 0.3459**.

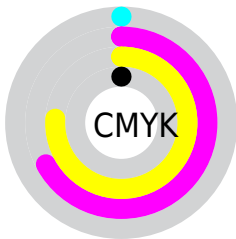
Distribution



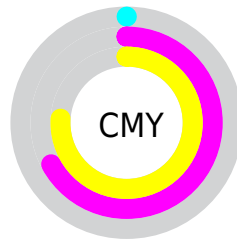
- Red (100%)
- Green (33%)
- Blue (24%)



- Red (100%)
- Yellow (34%)
- Blue (24%)



- Cyan (0%)
- Magenta (67%)
- Yellow (76%)
- Black (0%)




- Cyan (0%)
- Magenta (67%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7943, 0.5613, 0.3451 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 27.7943, 0.5613, 0.3451 by changing the saturation by 10% instead.


 27.7943, 0.5613,
0.3451


 27.7943, 0.5613,
0.3451


291.4827, 0.4309,
0.3505


 18.1707, 0.5925,
0.3383


 56.1559, 0.5142,
0.3510

 11.0726, 0.6302,
0.3264


 75.6626, 0.4962,
0.3520


 6.1157, 0.6817,
0.3084

 99.2324, 0.4810,
0.3523

 2.9155, 0.7295,
0.2705

 127.2498, 0.4680,
0.3523

 1.0878, 0.7887,
0.2113

 160.0992, 0.4568,
0.3520

 0.0000, 1.0000,
0.0000


 198.1648, 0.4470,

 0.0000, 0.0000,


0.3515


0.0000

241.8312, 0.4385,
0.3510

 27.7943, 0.5613,
0.3451


 27.7943, 0.5613,
0.3451

 24.6501, 0.5996,
0.3422


 32.2062, 0.5166,
0.3459


 22.6412, 0.6257,
0.3375

 38.0064, 0.4718,
0.3448

 22.0784, 0.6330,
0.3356

 45.2970, 0.4307,
0.3426

 54.1716, 0.3954,
0.3397

 64.7160, 0.3659,
0.3366

 77.0098, 0.3418,
0.3335

 91.1277, 0.3222,
0.3306

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.



27.7943, 0.4960, 0.2711



27.7943, 0.5613, 0.3451



27.7943, 0.5345, 0.4275

Triad

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



27.7943, 0.5613, 0.3451



27.7943, 0.2292, 0.5210



27.7943, 0.1579, 0.1519

Complementary

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



27.7943, 0.5613, 0.3451



67.0905, 0.2233, 0.3029

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.



27.7943, 0.1194, 0.1699



27.7943, 0.5613, 0.3451



27.7943, 0.1484, 0.3614

Square

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



27.7943, 0.5613, 0.3451



27.7943, 0.3391, 0.5776



27.7943, 0.1149, 0.2326



27.7943, 0.2382, 0.1655

Rectangle

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



27.7943, 0.5613, 0.3451



27.7943, 0.4814, 0.4880



27.7943, 0.1149, 0.2326



27.7943, 0.1410, 0.1540

Sweetspot

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



27.7930, 0.5613, 0.3451



67.8463, 0.3589, 0.3357



30.7432, 0.3399, 0.1800



13.6279, 0.3684, 0.3369



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.



27.7930, 0.5613, 0.3451



23.4516, 0.6153, 0.3398



53.3680, 0.4709, 0.4333



18.3050, 0.3292, 0.3317



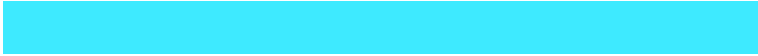
11.6381, 0.6314, 0.3369



1.2322, 0.6159, 0.3492

Inverse Universe

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



67.0905, 0.2233, 0.3029



63.8583, 0.2169, 0.2971



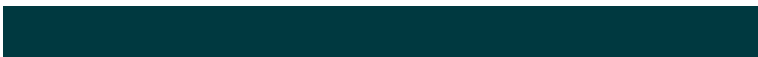
26.7660, 0.1899, 0.1735



20.1239, 0.2980, 0.3263



32.6884, 0.2151, 0.2943



3.2752, 0.2163, 0.2986

Previews

White Background



This preview shows how the Yxy color 27.7943, 0.5613, 0.3451 looks on a white background.

Color Contrast Check

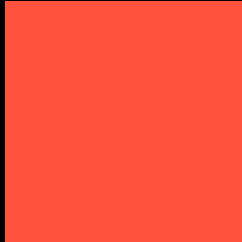
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7943, 0.5613, 0.3451 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 27.7943, 0.5613, 0.3451

Background



This preview shows how black text looks on a background with the Yxy color 27.7943, 0.5613, 0.3451.



This preview shows how white text looks on a background with the Yxy color 27.7943, 0.5613, 0.3451.

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

27.7943, 0.5613, 0.3451

Protanopia

27.8097, 0.3922, 0.4267

Deuteranopia

27.8249, 0.4495, 0.4412



Tritanopia

27.8007, 0.5380, 0.3264

Trichromacy



Original Color

27.7943, 0.5613, 0.3451

Protanomaly

25.7509, 0.4588, 0.3914

Deuteranomaly

26.2543, 0.4975, 0.3987

Tritanomaly

27.8304, 0.5466, 0.3336

Monochromacy



Original Color

27.7943, 0.5613, 0.3451

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.4433, 0.4056, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7943, 0.5613, 0.3451 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, 83, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 83, 62)  
}
```

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, 83, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 62) }
```

Border

The CSS property to change the border of an element to Yxy 27.7943, 0.5613, 0.3451 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, 83, 62) }
```

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

```
.border{ border-color:rgb(255, 83, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 83, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7943, 0.5613, 0.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 83, 62) }
```

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

```
.background{ background-color: rgb(255, 83,  
62) }
```

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