

Converting Colors

$Y_{xy}(27.2554, 0.5511, 0.3318)$

Have a look what the booklet for
Yxy(27.2554, 0.5511, 0.3318)
contains.

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Color

Yxy(27.2168, 0.5518, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	FF4E4B
RGB	255, 78, 75
RGB Percent	100%, 31%, 29%
CMY	0.0000, 0.6941, 0.7059
CMYK	0.00, 0.69, 0.71, 0.00
HSL	1°, 100%, 65%
HSV	1°, 71%, 100%
XYZ	45.2356, 27.2168, 9.5259
YIQ	130.5810, 106.4550, 36.5910

Conversions

Conversions Part 2

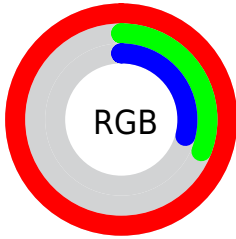
Format	Color
RYB	255, 78, 75
Decimal	16731723
CIELab	59.17, 66.35, 40.83
CIELCh	59, 77.903, 31.604
Yxy	27.2168, 0.5518, 0.3320
Android (android.graphics.Color)	4294921803 (0xFFFF4E4B)
YUV	130.5810, -27.4014, 109.1155
Hunter-Lab	52.1697, 63.4778, 25.6928

Details

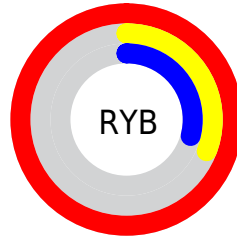
The Yxy color **27.2168, 0.5518, 0.3320** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **78.3336, 0.2315, 0.3252**, and the grayscale version is **22.6117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6066, 0.4542, 0.3427**, and **11.0409, 0.6180, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **24.0260, 0.5947, 0.3317**, and if you desaturate by 10%, it is **31.9064, 0.5038, 0.3319**.

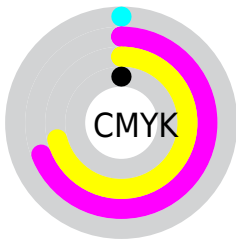
Distribution



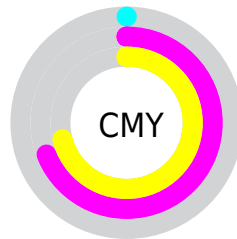
- Red (100%)
- Green (31%)
- Blue (29%)



- Red (100%)
- Yellow (31%)
- Blue (29%)



- Cyan (0%)
- Magenta (69%)
- Yellow (71%)
- Black (0%)





- Cyan (0%)
- Magenta (69%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2168, 0.5518, 0.3320 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 27.2168, 0.5518, 0.3320 by changing the saturation by 10% instead.


 27.2168, 0.5518,
0.3320

 27.2168, 0.5518,
0.3320


288.7053, 0.4243,
0.3417


 17.7361, 0.5836,
0.3250

 55.2316, 0.5049,
0.3388


 10.7607, 0.6232,
0.3134


 74.5344, 0.4873,
0.3403

 5.9062, 0.6732,
0.2939


 97.8802, 0.4725,
0.3412

 2.7881, 0.7385,
0.2615

 125.6531, 0.4599,
0.3417

 1.0221, 0.7991,
0.2009

 158.2377, 0.4491,
0.3419

 0.0000, 1.0000,
0.0000


196.0184, 0.4398,


 0.0000, 0.0000,


0.3420


0.0000

239.3794, 0.4316,
0.3419

 27.2168, 0.5518,
0.3320


 27.2168, 0.5518,
0.3320


 24.0260, 0.5947,
0.3317


 31.9064, 0.5038,
0.3319


 22.1497, 0.6250,
0.3311


 38.2452, 0.4573,
0.3316

 21.3524, 0.6393,
0.3306

 46.3682, 0.4163,
0.3311

 56.3961, 0.3819,
0.3306

 68.4386, 0.3540,
0.3300

 82.5973, 0.3316,
0.3295

98.9672, 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.



27.2168, 0.4713, 0.2598



27.2168, 0.5518, 0.3320



27.2168, 0.5414, 0.4117

Triad

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



27.2168, 0.5518, 0.3320



27.2168, 0.2502, 0.5369



27.2168, 0.1507, 0.1554

Complementary

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



27.2168, 0.5518, 0.3320



78.3336, 0.2315, 0.3252

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.



27.2168, 0.1190, 0.1802



27.2168, 0.5518, 0.3320



27.2168, 0.1627, 0.3904

Square

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



27.2168, 0.5518, 0.3320



27.2168, 0.3603, 0.5678



27.2168, 0.1209, 0.2529



27.2168, 0.2217, 0.1634

Rectangle

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



27.2168, 0.5518, 0.3320



27.2168, 0.4957, 0.4702



27.2168, 0.1209, 0.2529



27.2168, 0.1362, 0.1595

Sweetspot

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



27.2177, 0.5518, 0.3320



67.9009, 0.3550, 0.3300



33.3206, 0.3229, 0.1754



13.7826, 0.3622, 0.3302



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.



27.2177, 0.5518, 0.3320



23.0482, 0.6100, 0.3315



49.7735, 0.4726, 0.4163



18.0356, 0.3294, 0.3295



11.1781, 0.6389, 0.3309



1.1047, 0.6361, 0.3331

Inverse Universe

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



78.3336, 0.2315, 0.3252



76.8697, 0.2257, 0.3244



34.5568, 0.2017, 0.2058



20.4263, 0.2980, 0.3286



39.7635, 0.2232, 0.3237



3.8876, 0.2234, 0.3243

Previews

White Background



This preview shows how the Yxy color 27.2168, 0.5518, 0.3320 looks on a white background.

Color Contrast Check

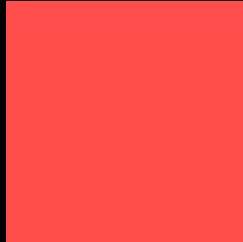
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2168, 0.5518, 0.3320 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 27.2168, 0.5518, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 27.2168, 0.5518, 0.3320.



This preview shows how white text looks on a background with the Yxy color 27.2168, 0.5518, 0.3320.

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

27.2168, 0.5518, 0.3320

Protanopia

27.3968, 0.3714, 0.4014

Deuteranopia

27.3371, 0.4355, 0.4269



Tritanopia

27.1618, 0.5456, 0.3266

Trichromacy



Original Color

27.2168, 0.5518, 0.3320

Protanomaly

25.0082, 0.4410, 0.3685

Deuteranomaly

25.6703, 0.4838, 0.3835

Tritanomaly

27.1323, 0.5479, 0.3281

Monochromacy



Original Color

27.2168, 0.5518, 0.3320

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.9661, 0.4000, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2168, 0.5518, 0.3320 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, 78, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 78, 75)  
}
```

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, 78, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 78, 75) }
```

Border

The CSS property to change the border of an element to Yxy 27.2168, 0.5518, 0.3320 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, 78, 75) }
```

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

```
.border{ border-color:rgb(255, 78, 75) }
```

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

Here you see how a box with a 4 pixel rgb(255, 78, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 78, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 78, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 78,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2168, 0.5518, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 78, 75) }
```

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

```
.background{ background-color: rgb(255, 78,  
75) }
```

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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