

Converting Colors

$Y_{xy}(28.3543, 0.5516, 0.3362)$

Have a look what the booklet for
Yxy(28.3543, 0.5516, 0.3362)
contains.

Yxy(27.7890, 0.5499, 0.3359)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.7890, 0.5499, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	FF524A
RGB	255, 82, 74
RGB Percent	100%, 32%, 29%
CMY	0.0000, 0.6784, 0.7097
CMYK	0.00, 0.68, 0.71, 0.00
HSL	3°, 100%, 65%
HSV	3°, 71%, 100%
XYZ	45.4932, 27.7890, 9.4478
YIQ	132.8150, 105.6760, 34.1880

Conversions

Conversions Part 2

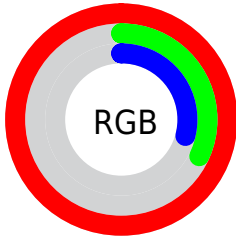
Format	Color
RYB	255, 82, 74
Decimal	16732746
CIELab	59.70, 64.83, 41.97
CIElCh	60, 77.233, 32.917
Yxy	27.7890, 0.5499, 0.3359
Android (android.graphics.Color)	4294922826 (0xFFFF524A)
YUV	132.8150, -28.9958, 107.1562
Hunter-Lab	52.7153, 61.7936, 26.2746

Details

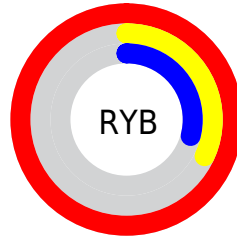
The Yxy color **27.7890, 0.5499, 0.3359** is a dark color, and the websafe version is hex **FF3333**. The color can be described as middle washed red. A complement of this color would be **75.1998, 0.2298, 0.3192**, and the grayscale version is **23.4661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4462, 0.4534, 0.3468**, and **11.0359, 0.6192, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **24.4670, 0.5925, 0.3350**, and if you desaturate by 10%, it is **32.5581, 0.5026, 0.3359**.

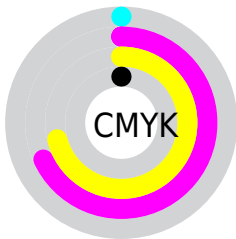
Distribution



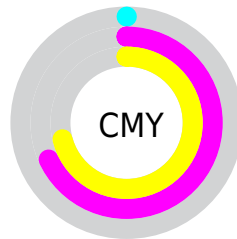
- Red (100%)
- Green (32%)
- Blue (29%)



- Red (100%)
- Yellow (32%)
- Blue (29%)



- Cyan (0%)
- Magenta (68%)
- Yellow (71%)
- Black (0%)





- Cyan (0%)
- Magenta (68%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7890, 0.5499, 0.3359 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 27.7890, 0.5499, 0.3359 by changing the saturation by 10% instead.


 27.7890, 0.5499,
0.3359


 27.7890, 0.5499,
0.3359


291.4573, 0.4240,
0.3437


 18.1667, 0.5811,
0.3294


 56.1474, 0.5037,
0.3420

 11.0697, 0.6198,
0.3183


 75.6522, 0.4863,
0.3433


 6.1137, 0.6687,
0.2996

 99.2201, 0.4717,
0.3439

 2.9144, 0.7319,
0.2681

 127.2352, 0.4593,
0.3442

 1.0872, 0.7911,
0.2089

 160.0821, 0.4486,
0.3443

 0.0000, 1.0000,
0.0000

198.1452, 0.4393,

 0.0000, 0.0000,


0.3442


0.0000

241.8088, 0.4311,
0.3440


 27.7890, 0.5499,
0.3359


 27.7890, 0.5499,
0.3359


 24.4670, 0.5925,
0.3350

 32.5581, 0.5026,
0.3359


 22.4239, 0.6233,
0.3332

 38.9086, 0.4569,
0.3353


 21.5049, 0.6379,
0.3317

 46.9651, 0.4164,
0.3342

 56.8382, 0.3824,
0.3329

 68.6294, 0.3546,
0.3316

 82.4325, 0.3322,
0.3303

 98.3353, 0.3143,
0.3291

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



27.7890, 0.4740, 0.2639



27.7890, 0.5499, 0.3359



27.7890, 0.5367, 0.4154

Triad

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



27.7890, 0.5499, 0.3359



27.7890, 0.2470, 0.5286



27.7890, 0.1547, 0.1570

Complementary

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



27.7890, 0.5499, 0.3359



75.1998, 0.2298, 0.3192

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.



27.7890, 0.1216, 0.1801



27.7890, 0.5499, 0.3359



27.7890, 0.1619, 0.3826

Square

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



27.7890, 0.5499, 0.3359



27.7890, 0.3558, 0.5657



27.7890, 0.1222, 0.2499



27.7890, 0.2271, 0.1662

Rectangle

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



27.7890, 0.5499, 0.3359



27.7890, 0.4904, 0.4733



27.7890, 0.1222, 0.2499



27.7890, 0.1397, 0.1607

Sweetspot

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



27.7906, 0.5499, 0.3359



68.5963, 0.3547, 0.3316



32.9968, 0.3258, 0.1769



13.9436, 0.3618, 0.3319



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.



27.7906, 0.5499, 0.3359



23.5011, 0.6067, 0.3344



50.7066, 0.4710, 0.4193



18.1156, 0.3293, 0.3301



11.2922, 0.6370, 0.3324



1.1428, 0.6298, 0.3381

Inverse Universe

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



75.1998, 0.2298, 0.3192



73.1996, 0.2237, 0.3171



33.2926, 0.2002, 0.2009



20.3357, 0.2980, 0.3279



37.5580, 0.2209, 0.3151



3.6978, 0.2213, 0.3168

Previews

White Background



This preview shows how the Yxy color 27.7890, 0.5499, 0.3359 looks on a white background.

Color Contrast Check

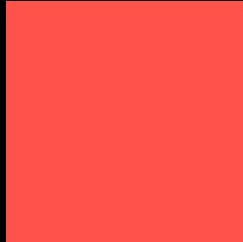
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7890, 0.5499, 0.3359 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 27.7890, 0.5499, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 27.7890, 0.5499, 0.3359.



This preview shows how white text looks on a background with the Yxy color 27.7890, 0.5499, 0.3359.

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

27.7890, 0.5499, 0.3359

Protanopia

27.8590, 0.3753, 0.4053

Deuteranopia

27.7265, 0.4365, 0.4287



Tritanopia

27.8007, 0.5380, 0.3264

Trichromacy



Original Color

27.7890, 0.5499, 0.3359

Protanomaly

25.5858, 0.4429, 0.3735

Deuteranomaly

26.2617, 0.4837, 0.3866

Tritanomaly

27.7389, 0.5428, 0.3297

Monochromacy



Original Color

27.7890, 0.5499, 0.3359

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.5516, 0.3988, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7890, 0.5499, 0.3359 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, 82, 74)` looks like.

```
.text, #text, p{  
  color:rgb(255, 82, 74)  
}
```

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, 82, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 74) }
```

Border

The CSS property to change the border of an element to Yxy 27.7890, 0.5499, 0.3359 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, 82, 74) }
```

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

```
.border{ border-color:rgb(255, 82, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 82, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7890, 0.5499, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 74) }
```

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

```
.background{ background-color: rgb(255, 82,  
74) }
```

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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