

Converting Colors

$Y_{xy}(29.7773, 0.5473, 0.3521)$

Have a look what the booklet for
Yxy(29.7773, 0.5473, 0.3521)
contains.

Yxy(29.8378, 0.5473, 0.3526)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.8378, 0.5473, 0.3526)

Conversions

Conversions Part 1

Format	Color
Hex	FF5F42
RGB	255, 95, 66
RGB Percent	100%, 37%, 26%
CMY	0.0000, 0.6274, 0.7412
CMYK	0.00, 0.63, 0.74, 0.00
HSL	9°, 100%, 63%
HSV	9°, 74%, 100%
XYZ	46.3137, 29.8378, 8.4707
YIQ	139.5340, 104.6690, 24.9010

Conversions

Conversions Part 2

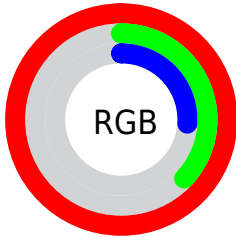
Format	Color
R_{YB}	255, 100, 66
Decimal	16736066
CIE _{Lab}	61.51, 59.34, 48.27
CIE _{LCh}	62, 76.492, 39.124
Yxy	29.8378, 0.5473, 0.3526
Android (android.graphics.Color)	4294926146 (0xFFFF5F42)
YUV	139.5340, -36.2523, 101.2637
Hunter-Lab	54.6240, 55.7519, 29.0425

Details

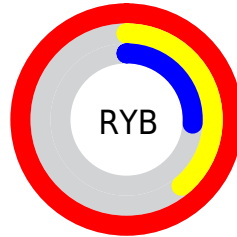
The Yxy color **29.8378, 0.5473, 0.3526** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed red. A complement of this color would be **62.7514, 0.2214, 0.2926**, and the grayscale version is **26.1504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6542, 0.4533, 0.3650**, and **12.2674, 0.6116, 0.3383** is the 20% darker color. If you saturate the color by 10%, you get **26.2377, 0.5866, 0.3495**, and if you desaturate by 10%, it is **34.6522, 0.5037, 0.3529**.

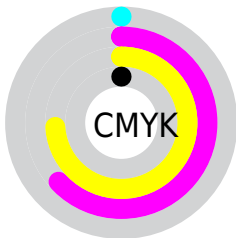
Distribution



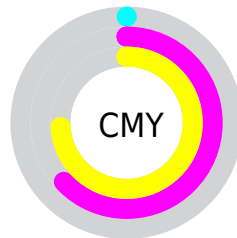
- Red (100%)
- Green (37%)
- Blue (26%)



- Red (100%)
- Yellow (39%)
- Blue (26%)



- Cyan (0%)
- Magenta (63%)
- Yellow (74%)
- Black (0%)




- Cyan (0%)
- Magenta (63%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8378, 0.5473, 0.3526 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 29.8378, 0.5473, 0.3526 by changing the saturation by 10% instead.

 29.8378, 0.5473,
0.3526


 29.8378, 0.5473,
0.3526


301.1477, 0.4251,
0.3529

 19.7155, 0.5765,
0.3476


 59.4056, 0.5032,
0.3562


 12.1884, 0.6120,
0.3382


 79.6198, 0.4864,
0.3565


 6.8721, 0.6576,
0.3225


 103.9669, 0.4722,
0.3563

 3.3823, 0.7083,
0.2917

 132.8311, 0.4600,
0.3558

 1.3344, 0.7625,
0.2375

 166.5969, 0.4495,
0.3552

 0.1676, 0.9175,
0.0825

205.6487, 0.4403,

 0.0000, 1.0000,

0.3544

0.0000

250.3708, 0.4322,
0.3537

■ 0.0000, 0.0000,
0.0000

■ 29.8378, 0.5473,
0.3526

■ 29.8378, 0.5473,
0.3526

■ 26.2377, 0.5866,
0.3495

■ 34.6522, 0.5037,
0.3529

■ 23.7359, 0.6160,
0.3436

■ 40.7725, 0.4609,
0.3509


■ 22.7205, 0.6277,
0.3398

■ 48.2871, 0.4223,
0.3474

■ 57.2755, 0.3890,
0.3433

■ 67.8108, 0.3611,
0.3389

 79.9614, 0.3382,
0.3346

 93.7915, 0.3194,
0.3306

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



29.8378, 0.4906, 0.2801



29.8378, 0.5473, 0.3526



29.8378, 0.5201, 0.4325

Triad

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



29.8378, 0.5473, 0.3526



29.8378, 0.2296, 0.4973



29.8378, 0.1697, 0.1605

Complementary

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



29.8378, 0.5473, 0.3526



62.7514, 0.2214, 0.2926

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.



29.8378, 0.1298, 0.1763



29.8378, 0.5473, 0.3526



29.8378, 0.1544, 0.3504

Square

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



29.8378, 0.5473, 0.3526



29.8378, 0.3339, 0.5611



29.8378, 0.1237, 0.2339



29.8378, 0.2498, 0.1753

Rectangle

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



29.8378, 0.5473, 0.3526



29.8378, 0.4695, 0.4888



29.8378, 0.1237, 0.2339



29.8378, 0.1524, 0.1620

Sweetspot

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



29.8395, 0.5473, 0.3526



70.2550, 0.3559, 0.3380



30.6803, 0.3497, 0.1882



14.3725, 0.3626, 0.3392



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.



29.8395, 0.5473, 0.3526



24.8887, 0.6025, 0.3469



57.9792, 0.4591, 0.4408



18.4373, 0.3291, 0.3327



12.0059, 0.6256, 0.3415



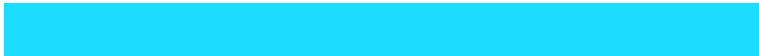
1.2942, 0.6069, 0.3563

Inverse Universe

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



62.7514, 0.2214, 0.2926



58.7297, 0.2138, 0.2844



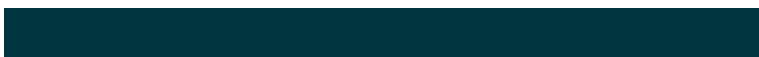
24.9182, 0.1887, 0.1646



19.9781, 0.2980, 0.3253



29.5700, 0.2109, 0.2793



3.0018, 0.2127, 0.2856

Previews

White Background



This preview shows how the Yxy color 29.8378, 0.5473, 0.3526 looks on a white background.

Color Contrast Check

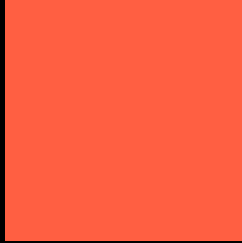
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8378, 0.5473, 0.3526 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 29.8378, 0.5473, 0.3526

Background



This preview shows how black text looks on a background with the Yxy color 29.8378, 0.5473, 0.3526.



This preview shows how white text looks on a background with the Yxy color 29.8378, 0.5473, 0.3526.

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

29.8378, 0.5473, 0.3526

Protanopia

30.0119, 0.3937, 0.4278

Deuteranopia

29.7744, 0.4474, 0.4369



Tritanopia

29.7774, 0.5157, 0.3252

Trichromacy



Original Color

29.8378, 0.5473, 0.3526

Protanomaly

28.1067, 0.4533, 0.3955

Deuteranomaly

28.5904, 0.4884, 0.4002

Tritanomaly

29.7606, 0.5282, 0.3356

Monochromacy



Original Color

29.8378, 0.5473, 0.3526

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.5526, 0.3982, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8378, 0.5473, 0.3526 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, 95, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 95, 66)  
}
```

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, 95, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 95, 66) }
```

Border

The CSS property to change the border of an element to Yxy 29.8378, 0.5473, 0.3526 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, 95, 66) }
```

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

```
.border{ border-color:rgb(255, 95, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 95, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 95, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 95, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 95,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8378, 0.5473, 0.3526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 95, 66) }
```

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

```
.background{ background-color: rgb(255, 95,  
66) }
```

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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