

Converting Colors

$Y_{xy}(30.1401, 0.5362, 0.3458)$

Have a look what the booklet for
Yxy(30.1401, 0.5362, 0.3458)
contains.

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Color

Yxy(30.1616, 0.5356, 0.3455)

Conversions

Conversions Part 1

Format	Color
Hex	FF604D
RGB	255, 96, 77
RGB Percent	100%, 38%, 30%
CMY	0.0001, 0.6234, 0.6980
CMYK	0.00, 0.62, 0.70, 0.00
HSL	6°, 100%, 65%
HSV	6°, 70%, 100%
XYZ	46.7570, 30.1616, 10.3798
YIQ	141.3750, 100.8630, 27.7990

Conversions

Conversions Part 2

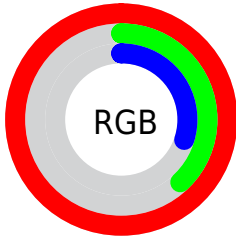
Format	Color
R _Y B	255, 98, 77
Decimal	16736333
CIE Lab	61.79, 59.39, 42.76
CIE LCh	62, 73.183, 35.756
Yxy	30.1616, 0.5356, 0.3455
Android (android.graphics.Color)	4294926413 (0xFFFF604D)
YUV	141.3750, -31.7369, 99.6491
Hunter-Lab	54.9196, 55.8608, 27.2379

Details

The Yxy color **30.1616, 0.5356, 0.3455** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle washed orange. A complement of this color would be **68.7618, 0.2270, 0.3056**, and the grayscale version is **26.8931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2488, 0.4419, 0.3552**, and **12.3774, 0.6001, 0.3325** is the 20% darker color. If you saturate the color by 10%, you get **26.2987, 0.5785, 0.3439**, and if you desaturate by 10%, it is **35.3723, 0.4901, 0.3452**.

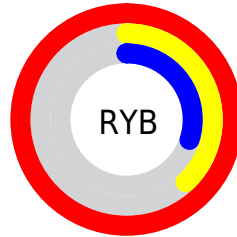
Distribution



Red (100%)

Green (38%)

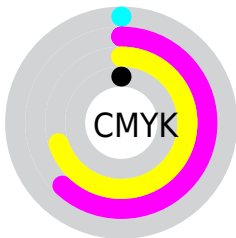
Blue (30%)



Red (100%)

Yellow (38%)

Blue (30%)

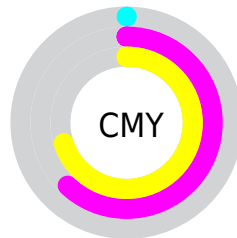


Cyan (0%)

Magenta (62%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1616, 0.5356, 0.3455 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 30.1616, 0.5356, 0.3455 by changing the saturation by 10% instead.


 30.1616, 0.5356,
0.3455


 30.1616, 0.5356,
0.3455


302.6570, 0.4184,
0.3474


 19.9613, 0.5644,
0.3409


 59.9176, 0.4928,
0.3491


 12.3669, 0.6002,
0.3325


 80.2422, 0.4767,
0.3496

 6.9941, 0.6446,
0.3172


 104.7102, 0.4631,
0.3496

 3.4584, 0.7072,
0.2928

 133.7061, 0.4515,
0.3494

 1.3755, 0.7608,
0.2392

 167.6144, 0.4415,
0.3490

 0.1985, 0.9061,
0.0939

206.8194, 0.4328,


 0.0000, 1.0000,


0.3485

0.0000


251.7054, 0.4252,
0.3480

 0.0000, 0.0000,
0.0000


 30.1616, 0.5356,
0.3455


 30.1616, 0.5356,
0.3455


 26.2987, 0.5785,
0.3439


 35.3723, 0.4901,
0.3452


 23.6536, 0.6124,
0.3402


 42.0346, 0.4471,
0.3433

 22.0741, 0.6329,
0.3355

 50.2482, 0.4093,
0.3407

 22.0516, 0.6332,
0.3354

 60.1024, 0.3774,
0.3377

 71.6798, 0.3511,
0.3346

 85.0574, 0.3297,
0.3317

99.9960, 0.3127,
0.3290

Harmonies

Analogous

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



30.1616, 0.4717, 0.2752



30.1616, 0.5356, 0.3455



30.1616, 0.5193, 0.4223

Triad

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



30.1616, 0.5356, 0.3455



30.1616, 0.2446, 0.5007



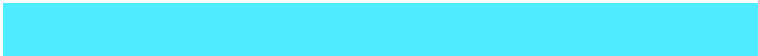
30.1616, 0.1687, 0.1663

Complementary

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



30.1616, 0.5356, 0.3455



68.7618, 0.2270, 0.3056

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.



30.1616, 0.1335, 0.1861



30.1616, 0.5356, 0.3455



30.1616, 0.1668, 0.3658

Square

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



30.1616, 0.5356, 0.3455



30.1616, 0.3469, 0.5496



30.1616, 0.1315, 0.2483



30.1616, 0.2419, 0.1775

Rectangle

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



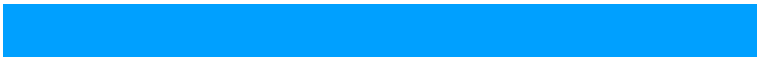
30.1616, 0.5356, 0.3455



30.1616, 0.4748, 0.4761



30.1616, 0.1315, 0.2483



30.1616, 0.1531, 0.1691

Sweetspot

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



30.1633, 0.5356, 0.3455



70.2083, 0.3540, 0.3350



32.6898, 0.3376, 0.1864



14.3179, 0.3609, 0.3358



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.



30.1633, 0.5356, 0.3455



25.0513, 0.5942, 0.3426



55.9858, 0.4578, 0.4295



18.2994, 0.3292, 0.3316



11.6249, 0.6316, 0.3367



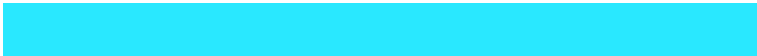
1.2296, 0.6163, 0.3489

Inverse Universe

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



68.7618, 0.2270, 0.3056



65.4590, 0.2194, 0.3002



30.0381, 0.1977, 0.1872



20.1301, 0.2980, 0.3264



32.8256, 0.2153, 0.2950



3.2872, 0.2164, 0.2992

Previews

White Background



This preview shows how the Yxy color 30.1616, 0.5356, 0.3455 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.1616, 0.5356, 0.3455 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.1616, 0.5356, 0.3455

Background



This preview shows how black text looks on a background with the Yxy color 30.1616, 0.5356, 0.3455.



This preview shows how white text looks on a background with the Yxy color 30.1616, 0.5356, 0.3455.

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

30.1616, 0.5356, 0.3455

Protanopia

30.4438, 0.3799, 0.4113

Deuteranopia

30.0776, 0.4361, 0.4269



Tritanopia

30.1663, 0.5119, 0.3251

Trichromacy



Original Color

30.1616, 0.5356, 0.3455

Protanomaly

28.4223, 0.4387, 0.3831

Deuteranomaly

28.8238, 0.4765, 0.3919

Tritanomaly

30.1997, 0.5209, 0.3331

Monochromacy



Original Color

30.1616, 0.5356, 0.3455

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.9203, 0.3914, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1616, 0.5356, 0.3455 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, 96, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 77)  
}
```

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, 96, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 77) }
```

Border

The CSS property to change the border of an element to Yxy 30.1616, 0.5356, 0.3455 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, 96, 77) }
```

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

```
.border{ border-color:rgb(255, 96, 77) }
```

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

Here you see how a box with a 4 pixel rgb(255, 96, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1616, 0.5356, 0.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 96, 77) }
```

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

```
.background{ background-color: rgb(255, 96,  
77) }
```

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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