

Converting Colors

$Y_{xy}(30.1843, 0.5294, 0.3403)$

Have a look what the booklet for
Yxy(30.1843, 0.5294, 0.3403)
contains.

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Color

Yxy(30.2503, 0.5292, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	FF6053
RGB	255, 96, 83
RGB Percent	100%, 38%, 33%
CMY	0.0000, 0.6235, 0.6744
CMYK	0.00, 0.62, 0.67, 0.00
HSL	5°, 100%, 66%
HSV	5°, 67%, 100%
XYZ	46.9870, 30.2503, 11.5514
YIQ	142.0590, 98.9370, 29.6650

Conversions

Conversions Part 2

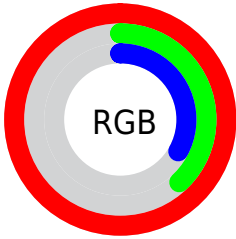
Format	Color
R_{YB}	255, 97, 83
Decimal	16736339
CIE _{Lab}	61.87, 59.71, 39.58
CIE _{LCh}	62, 71.633, 33.540
Yxy	30.2503, 0.5292, 0.3407
Android (android.graphics.Color)	4294926419 (0xFFFF6053)
YUV	142.0590, -29.1161, 99.0493
Hunter-Lab	55.0003, 56.2428, 26.0478

Details

The Yxy color **30.2503, 0.5292, 0.3407** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **72.5806, 0.2303, 0.3132**, and the grayscale version is **27.1637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4099, 0.4359, 0.3491**, and **12.4120, 0.5932, 0.3284** is the 20% darker color. If you saturate the color by 10%, you get **26.2505, 0.5739, 0.3398**, and if you desaturate by 10%, it is **35.6854, 0.4828, 0.3402**.

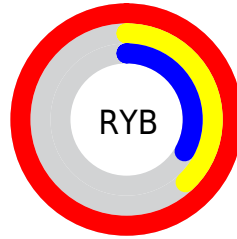
Distribution



Red (100%)

Green (38%)

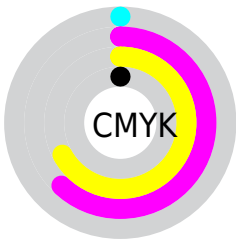
Blue (33%)



Red (100%)

Yellow (38%)

Blue (33%)

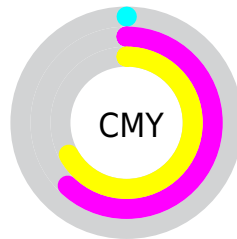


Cyan (0%)

Magenta (62%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2503, 0.5292, 0.3407 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 30.2503, 0.5292, 0.3407 by changing the saturation by 10% instead.


 30.2503, 0.5292,
0.3407


 30.2503, 0.5292,
0.3407


303.0694, 0.4149,
0.3441


 20.0287, 0.5578,
0.3362


 60.0578, 0.4872,
0.3446

 12.4159, 0.5935,
0.3280


 80.4124, 0.4714,
0.3452


 7.0276, 0.6385,
0.3134


 104.9135, 0.4582,
0.3454

 3.4793, 0.7077,
0.2923

 133.9454, 0.4469,
0.3454

 1.3868, 0.7613,
0.2387

 167.8926, 0.4372,
0.3452

 0.2070, 0.9038,
0.0962

207.1394, 0.4288,


 0.0000, 1.0000,


0.3449


0.0000


252.0702, 0.4214,
0.3445

 0.0000, 0.0000,
0.0000

 30.2503, 0.5292,
0.3407


 30.2503, 0.5292,
0.3407


 26.2505, 0.5739,
0.3398


 35.6854, 0.4828,
0.3402

 23.5484, 0.6101,
0.3373


 42.6730, 0.4398,
0.3388


 21.9812, 0.6322,
0.3338

 51.3201, 0.4025,
0.3369

 21.7338, 0.6360,
0.3332

 61.7236, 0.3713,
0.3347

 73.9731, 0.3459,
0.3325

 88.1521, 0.3254,
0.3304

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.



30.2503, 0.4608, 0.2717



30.2503, 0.5292, 0.3407



30.2503, 0.5194, 0.4161

Triad

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



30.2503, 0.5292, 0.3407



30.2503, 0.2534, 0.5037



30.2503, 0.1673, 0.1693

Complementary

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



30.2503, 0.5292, 0.3407



72.5806, 0.2303, 0.3132

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.



30.2503, 0.1350, 0.1917



30.2503, 0.5292, 0.3407



30.2503, 0.1739, 0.3755

Square

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



30.2503, 0.5292, 0.3407



30.2503, 0.3548, 0.5438



30.2503, 0.1357, 0.2570



30.2503, 0.2367, 0.1782

Rectangle

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



30.2503, 0.5292, 0.3407



30.2503, 0.4784, 0.4687



30.2503, 0.1357, 0.2570



30.2503, 0.1528, 0.1729

Sweetspot

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



30.2508, 0.5292, 0.3407



70.6569, 0.3519, 0.3331



33.9542, 0.3309, 0.1854



14.3749, 0.3589, 0.3337



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.



30.2508, 0.5292, 0.3407



25.1475, 0.5881, 0.3391



54.7211, 0.4570, 0.4223



18.2070, 0.3293, 0.3309



11.4345, 0.6347, 0.3343



1.1860, 0.6229, 0.3436

Inverse Universe

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



72.5806, 0.2303, 0.3132



69.8377, 0.2229, 0.3096



33.3604, 0.2029, 0.2005



20.2330, 0.2980, 0.3271



35.1469, 0.2181, 0.3052



3.4892, 0.2189, 0.3081

Previews

White Background



This preview shows how the Yxy color 30.2503, 0.5292, 0.3407 looks on a white background.

Color Contrast Check

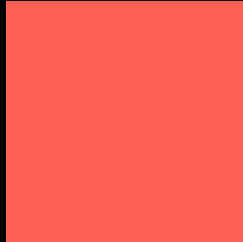
Large Text (above 18pt) WCAG AA × Fail

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 30.2503, 0.5292, 0.3407 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 30.2503, 0.5292, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 30.2503, 0.5292, 0.3407.



This preview shows how white text looks on a background with the Yxy color 30.2503, 0.5292, 0.3407.

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

30.2503, 0.5292, 0.3407

Protanopia

30.4733, 0.3720, 0.4012

Deuteranopia

30.3297, 0.4289, 0.4220



Tritanopia

30.1855, 0.5106, 0.3242

Trichromacy



Original Color

30.2503, 0.5292, 0.3407

Protanomaly

28.5456, 0.4309, 0.3744

Deuteranomaly

29.1592, 0.4697, 0.3871

Tritanomaly

30.2526, 0.5173, 0.3305

Monochromacy



Original Color

30.2503, 0.5292, 0.3407

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.1150, 0.3888, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2503, 0.5292, 0.3407 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, 83)` looks like.

```
.text, #text, p{  
  color:rgb(255, 96, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 83) }
```

Border

The CSS property to change the border of an element to Yxy 30.2503, 0.5292, 0.3407 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, 83) }
```

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

```
.border{ border-color:rgb(255, 96, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2503, 0.5292, 0.3407 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, 83) }
```

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

```
.background{ background-color: rgb(255, 96,  
83) }
```

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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