

Converting Colors

$Y_{xy}(30.2917, 0.5511, 0.3599)$

Have a look what the booklet for
Yxy(30.2917, 0.5511, 0.3599)
contains.

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Color

Yxy(30.3111, 0.5507, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	FF623B
RGB	255, 98, 59
RGB Percent	100%, 38%, 23%
CMY	0.0000, 0.6156, 0.7687
CMYK	0.00, 0.62, 0.77, 0.00
HSL	12°, 100%, 62%
HSV	12°, 77%, 100%
XYZ	46.3933, 30.3111, 7.5399
YIQ	140.4970, 106.0910, 21.1550

Conversions

Conversions Part 2

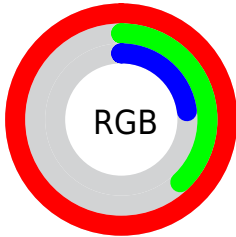
Format	Color
R_{YB}	255, 108, 59
Decimal	16736827
CIE Lab	61.92, 57.81, 52.22
CIE LCh	62, 77.902, 42.091
Yxy	30.3111, 0.5507, 0.3598
Android (android.graphics.Color)	4294926907 (0xFFFF623B)
YUV	140.4970, -40.1780, 100.4191
Hunter-Lab	55.0555, 54.0685, 30.4191

Details

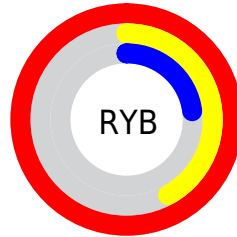
The Yxy color **30.3111, 0.5507, 0.3598** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **57.2301, 0.2166, 0.2793**, and the grayscale version is **26.5603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4753, 0.4578, 0.3747**, and **12.4157, 0.6132, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **26.7628, 0.5873, 0.3555**, and if you desaturate by 10%, it is **34.9665, 0.5092, 0.3605**.

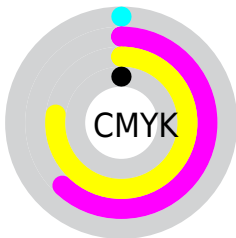
Distribution



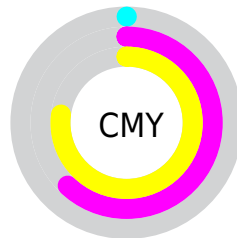
- Red (100%)
- Green (38%)
- Blue (23%)



- Red (100%)
- Yellow (42%)
- Blue (23%)



- Cyan (0%)
- Magenta (62%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3111, 0.5507, 0.3598 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 30.3111, 0.5507, 0.3598 by changing the saturation by 10% instead.


 30.3111, 0.5507,
0.3598


 30.3111, 0.5507,
0.3598


303.3519, 0.4280,
0.3576

 20.0748, 0.5793,
0.3550


 60.1538, 0.5069,
0.3629


 12.4495, 0.6135,
0.3456


 80.5291, 0.4901,
0.3628


 7.0506, 0.6597,
0.3311


 105.0528, 0.4758,
0.3623

 3.4937, 0.7022,
0.2978

 134.1093, 0.4634,
0.3615

 1.3946, 0.7551,
0.2449

 168.0831, 0.4528,
0.3606

 0.2127, 0.8980,
0.1020

 207.3585, 0.4435,


 0.0000, 1.0000,


0.3596


0.0000


252.3200, 0.4353,
0.3586


 0.0000, 0.0000,
0.0000


 30.3111, 0.5507,
0.3598

 30.3111, 0.5507,
0.3598


 26.7628, 0.5873,
0.3555


 34.9665, 0.5092,
0.3605


 24.2196, 0.6141,
0.3479


 40.8081, 0.4677,
0.3583

 23.6073, 0.6206,
0.3454

 47.9133, 0.4294,
0.3542

 56.3515, 0.3959,
0.3489

 66.1869, 0.3674,
0.3433

 77.4794, 0.3437,
0.3378

 90.2854, 0.3241,
0.3324

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



30.3111, 0.5024, 0.2863



30.3111, 0.5507, 0.3598



30.3111, 0.5156, 0.4412

Triad

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



30.3111, 0.5507, 0.3598



30.3111, 0.2190, 0.4869



30.3111, 0.1743, 0.1591

Complementary

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



30.3111, 0.5507, 0.3598



57.2301, 0.2166, 0.2793

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.



30.3111, 0.1306, 0.1715



30.3111, 0.5507, 0.3598



30.3111, 0.1477, 0.3361

Square

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



30.3111, 0.5507, 0.3598



30.3111, 0.3228, 0.5638



30.3111, 0.1211, 0.2245



30.3111, 0.2594, 0.1769

Rectangle

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



30.3111, 0.5507, 0.3598



30.3111, 0.4615, 0.4981



30.3111, 0.1211, 0.2245



30.3111, 0.1556, 0.1596

Sweetspot

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



30.3128, 0.5507, 0.3598



70.3894, 0.3577, 0.3412



29.5004, 0.3589, 0.1904



14.2267, 0.3668, 0.3432



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.



30.3128, 0.5507, 0.3598



25.3421, 0.6025, 0.3519



59.6766, 0.4586, 0.4481



18.5728, 0.3289, 0.3338



12.5013, 0.6181, 0.3474



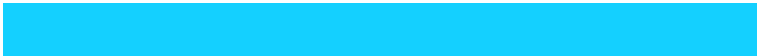
1.3618, 0.5977, 0.3636

Inverse Universe

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



57.2301, 0.2166, 0.2793



52.6150, 0.2088, 0.2682



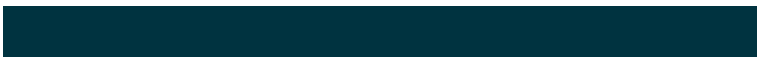
21.8346, 0.1829, 0.1496



19.8304, 0.2980, 0.3242



26.6050, 0.2066, 0.2636



2.7394, 0.2089, 0.2719

Previews

White Background



This preview shows how the Yxy color 30.3111, 0.5507, 0.3598 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 30.3111, 0.5507, 0.3598 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 30.3111, 0.5507, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 30.3111, 0.5507, 0.3598.



This preview shows how white text looks on a background with the Yxy color 30.3111, 0.5507, 0.3598.

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

30.3111, 0.5507, 0.3598

Protanopia

30.4141, 0.4029, 0.4397

Deuteranopia

30.2508, 0.4537, 0.4436



Tritanopia

30.3645, 0.5100, 0.3251

Trichromacy



Original Color

30.3111, 0.5507, 0.3598

Protanomaly

28.6680, 0.4601, 0.4061

Deuteranomaly

29.1667, 0.4933, 0.4084

Tritanomaly

30.2816, 0.5270, 0.3391

Monochromacy



Original Color

30.3111, 0.5507, 0.3598

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.7600, 0.4001, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3111, 0.5507, 0.3598 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, 98, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 59)  
}
```

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, 98, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 59) }
```

Border

The CSS property to change the border of an element to Yxy 30.3111, 0.5507, 0.3598 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, 98, 59) }
```

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

```
.border{ border-color:rgb(255, 98, 59) }
```

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

Here you see how a box with a 4 pixel rgb(255, 98, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3111, 0.5507, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 59) }
```

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

```
.background{ background-color: rgb(255, 98,  
59) }
```

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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