

Converting Colors

Yxy(38.2653, 0.4914, 0.3667)

Have a look what the booklet for
Yxy(38.2653, 0.4914, 0.3667)
contains.

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Color

Yxy(38.2653, 0.4914, 0.3667)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF835C |
| RGB | 255, 131, 92 |
| RGB Percent | 100%, 51%, 36% |
| CMY | 0.0001, 0.4861, 0.6392 |
| CMYK | 0.00, 0.49, 0.64, 0.00 |
| HSL | 14°, 100%, 68% |
| HSV | 14°, 64%, 100% |
| XYZ | 51.2778, 38.2653, 14.8073 |
| YIQ | 163.6300, 86.4230, 14.1590 |

Conversions

Conversions Part 2

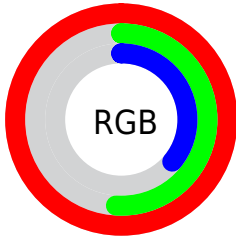
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 255, 143, 92 |
| Decimal | 16745308 |
| CIELab | 68.22, 44.04, 42.35 |
| CIELCh | 68, 61.097, 43.881 |
| Yxy | 38.2653, 0.4914, 0.3667 |
| Android (android.graphics.Color) | 4294935388 (0xFFFF835C) |
| YUV | 163.6300, -35.3136, 80.1315 |
| Hunter-Lab | 61.8590, 39.7139, 29.1089 |

Details

The Yxy color **38.2653, 0.4914, 0.3667** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **58.5656, 0.2249, 0.2803**, and the grayscale version is **37.0830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3610, 0.4087, 0.3741**, and **16.9681, 0.5417, 0.3651** is the 20% darker color. If you saturate the color by 10%, you get **33.1624, 0.5317, 0.3675**, and if you desaturate by 10%, it is **44.4968, 0.4523, 0.3630**.

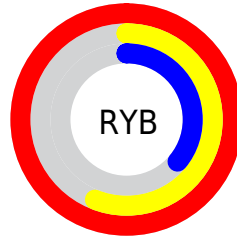
Distribution



Red (100%)

Green (51%)

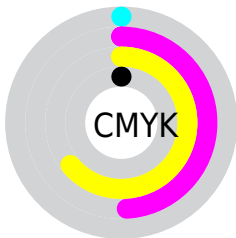
Blue (36%)



Red (100%)

Yellow (56%)

Blue (36%)

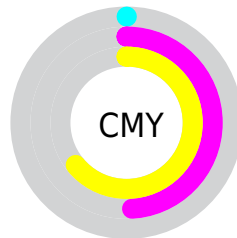


Cyan (0%)

Magenta (49%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2653, 0.4914, 0.3667 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 38.2653, 0.4914, 0.3667 by changing the saturation by 10% instead.


 38.2653, 0.4914,
0.3667


 38.2653, 0.4914,
0.3667

338.7567, 0.4002,
0.3549


 26.1887, 0.5135,
0.3669


 72.5146, 0.4585,
0.3644


 16.9648, 0.5409,
0.3654

 95.4560, 0.4460,
0.3629

 10.2094, 0.5752,
0.3605


 122.7879, 0.4354,
0.3614

 5.5380, 0.6216,
0.3505

 154.8945, 0.4263,
0.3599

 2.5663, 0.6755,
0.3245

192.1603, 0.4185,
0.3586

 0.9097, 0.7321,
0.2679

234.9696, 0.4116,

 0.0000, 1.0000,

0.3572

0.0000

283.7070, 0.4056,
0.3560

■ 0.0000, 0.0000,
0.0000

■ 38.2653, 0.4914,
0.3667

■ 38.2653, 0.4914,
0.3667

■ 33.1624, 0.5317,
0.3675

■ 44.4968, 0.4523,
0.3630

■ 29.1119, 0.5691,
0.3643

■ 51.9146, 0.4167,
0.3574

■ 26.0366, 0.5991,
0.3571

■ 60.5796, 0.3857,
0.3509

■ 24.5984, 0.6130,
0.3515

■ 70.5466, 0.3594,
0.3442

■ 81.8671, 0.3373,
0.3376

 94.5897, 0.3190,
0.3313

99.9929, 0.3127,
0.3290

Harmonies

Analogous

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



38.2653, 0.4552, 0.3041



38.2653, 0.4914, 0.3667



38.2653, 0.4698, 0.4310

Triad

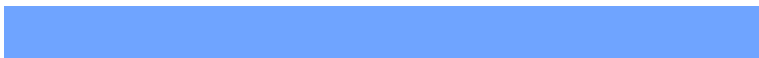
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.2653, 0.4914, 0.3667



38.2653, 0.2424, 0.4329



38.2653, 0.2093, 0.1956

Complementary

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



38.2653, 0.4914, 0.3667



58.5656, 0.2249, 0.2803

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.



38.2653, 0.1702, 0.2067



38.2653, 0.4914, 0.3667



38.2653, 0.1849, 0.3323

Square

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



38.2653, 0.4914, 0.3667



38.2653, 0.3238, 0.4942



38.2653, 0.1616, 0.2505



38.2653, 0.2796, 0.2112

Rectangle

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



38.2653, 0.4914, 0.3667



38.2653, 0.4310, 0.4693



38.2653, 0.1616, 0.2505



38.2653, 0.1928, 0.1961

Sweetspot

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



38.2673, 0.4914, 0.3667



75.9668, 0.3480, 0.3409



33.9130, 0.3585, 0.2112



15.5796, 0.3545, 0.3428



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.



38.2673, 0.4914, 0.3667



31.8154, 0.5437, 0.3669



68.8653, 0.4286, 0.4433



18.6934, 0.3288, 0.3348



13.0483, 0.6103, 0.3536



1.4310, 0.5888, 0.3707

Inverse Universe

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



58.5656, 0.2249, 0.2803



53.2338, 0.2138, 0.2685



26.9476, 0.1996, 0.1724



19.7006, 0.2980, 0.3232



24.1571, 0.2026, 0.2494



2.5206, 0.2054, 0.2596

Previews

White Background



This preview shows how the Yxy color 38.2653, 0.4914, 0.3667 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 38.2653, 0.4914, 0.3667 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 38.2653, 0.4914, 0.3667

Background



This preview shows how black text looks on a background with the Yxy color 38.2653, 0.4914, 0.3667.



This preview shows how white text looks on a background with the Yxy color 38.2653, 0.4914, 0.3667.

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

38.2653, 0.4914, 0.3667

Protanopia

38.6024, 0.3826, 0.4142

Deuteranopia

38.4473, 0.4273, 0.4186



Tritanopia

38.2163, 0.4464, 0.3202

Trichromacy



Original Color

38.2653, 0.4914, 0.3667

Protanomaly

37.5866, 0.4229, 0.3959

Deuteranomaly

37.8874, 0.4515, 0.3984

Tritanomaly

38.0544, 0.4643, 0.3375

Monochromacy



Original Color

38.2653, 0.4914, 0.3667

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.1618, 0.3735, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2653, 0.4914, 0.3667 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, 131, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 92)  
}
```

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, 131, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 92) }
```

Border

The CSS property to change the border of an element to Yxy 38.2653, 0.4914, 0.3667 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, 131, 92) }
```

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

```
.border{ border-color:rgb(255, 131, 92) }
```

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

Here you see how a box with a 4 pixel rgb(255, 131, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2653, 0.4914, 0.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 92) }
```

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

```
.background{ background-color: rgb(255,  
131, 92) }
```

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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