

Converting Colors

$Y_{xy}(31.9735, 0.5130, 0.3408)$

Have a look what the booklet for
Yxy(31.9735, 0.5130, 0.3408)
contains.

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Color

Yxy(31.9333, 0.5130, 0.3404)

Conversions

Conversions Part 1

Format	Color
Hex	FF685C
RGB	255, 104, 92
RGB Percent	100%, 41%, 36%
CMY	0.0000, 0.5922, 0.6392
CMYK	0.00, 0.59, 0.64, 0.00
HSL	4°, 100%, 68%
HSV	4°, 64%, 100%
XYZ	48.1251, 31.9333, 13.7527
YIQ	147.7810, 93.8480, 28.2800

Conversions

Conversions Part 2

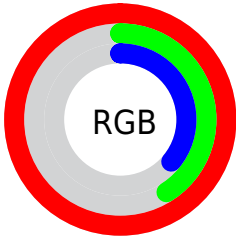
Format	Color
R _Y B	255, 105, 92
Decimal	16738396
CIE Lab	63.29, 56.76, 36.36
CIE LCh	63, 67.405, 32.640
Yxy	31.9333, 0.5130, 0.3404
Android (android.graphics.Color)	4294928476 (0xFFFF685C)
YUV	147.7810, -27.5000, 94.0311
Hunter-Lab	56.5096, 53.1238, 25.1273

Details

The Yxy color **31.9333, 0.5130, 0.3404** 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 **73.5985, 0.2329, 0.3145**, and the grayscale version is **29.6048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3848, 0.4216, 0.3471**, and **13.3499, 0.5743, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **27.4518, 0.5590, 0.3400**, and if you desaturate by 10%, it is **37.8961, 0.4673, 0.3396**.

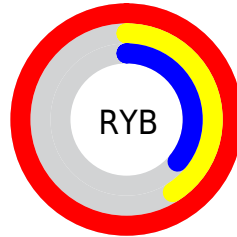
Distribution



Red (100%)

Green (41%)

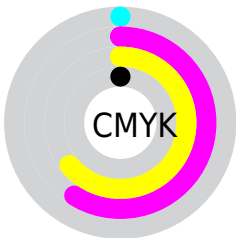
Blue (36%)



Red (100%)

Yellow (41%)

Blue (36%)

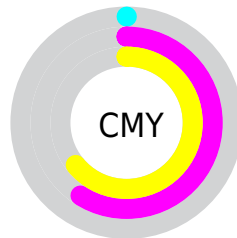


Cyan (0%)

Magenta (59%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9333, 0.5130, 0.3404 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 31.9333, 0.5130, 0.3404 by changing the saturation by 10% instead.


 31.9333, 0.5130,
0.3404

 31.9333, 0.5130,
0.3404


310.8153, 0.4075,
0.3424


 21.3106, 0.5396,
0.3369


 62.7065, 0.4741,
0.3433


 13.3512, 0.5733,
0.3305


 83.6258, 0.4596,
0.3437

 7.6708, 0.6163,
0.3187


 108.7460, 0.4474,
0.3438

 3.8850, 0.6792,
0.3002

 138.4516, 0.4370,
0.3437

 1.6095, 0.7433,
0.2567

173.1269, 0.4280,
0.3434

 0.3640, 0.8512,
0.1488


213.1564, 0.4203,


 0.0000, 1.0000,


0.3431

0.0000


258.9244, 0.4135,
0.3428


 0.0000, 0.0000,
0.0000


 31.9333, 0.5130,
0.3404


 31.9333, 0.5130,
0.3404


 27.4518, 0.5590,
0.3400


 37.8961, 0.4673,
0.3396

 24.3219, 0.5990,
0.3381

 45.4554, 0.4261,
0.3380

 22.3908, 0.6264,
0.3349

 54.7146, 0.3909,
0.3359

 21.7179, 0.6361,
0.3331

 65.7684, 0.3618,
0.3338

 78.7044, 0.3382,
0.3317

 93.6048, 0.3191,
0.3297

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.



31.9333, 0.4471, 0.2742



31.9333, 0.5130, 0.3404



31.9333, 0.5082, 0.4121

Triad

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



31.9333, 0.5130, 0.3404



31.9333, 0.2618, 0.4909



31.9333, 0.1745, 0.1787

Complementary

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



31.9333, 0.5130, 0.3404



73.5985, 0.2329, 0.3145

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.



31.9333, 0.1443, 0.2019



31.9333, 0.5130, 0.3404



31.9333, 0.1852, 0.3764

Square

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



31.9333, 0.5130, 0.3404



31.9333, 0.3577, 0.5274



31.9333, 0.1466, 0.2659



31.9333, 0.2396, 0.1861

Rectangle

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



31.9333, 0.5130, 0.3404



31.9333, 0.4721, 0.4609



31.9333, 0.1466, 0.2659



31.9333, 0.1608, 0.1827

Sweetspot

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



31.9331, 0.5130, 0.3404



71.8935, 0.3496, 0.3328



35.4544, 0.3299, 0.1904



14.6141, 0.3565, 0.3334



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.



31.9331, 0.5130, 0.3404



26.3506, 0.5723, 0.3396



56.4666, 0.4483, 0.4192



18.2016, 0.3293, 0.3308



11.4249, 0.6348, 0.3341



1.1835, 0.6233, 0.3433

Inverse Universe

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



73.5985, 0.2329, 0.3145



70.7827, 0.2248, 0.3111



35.5602, 0.2080, 0.2084



20.2390, 0.2980, 0.3272



35.2856, 0.2183, 0.3058



3.5012, 0.2191, 0.3086

Previews

White Background



This preview shows how the Yxy color 31.9333, 0.5130, 0.3404 looks on a white background.

Color Contrast Check

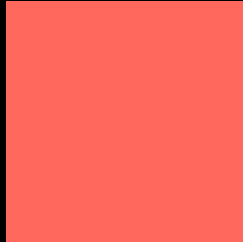
Large Text (above 18pt) WCAG AA × Fail

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 31.9333, 0.5130, 0.3404 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 31.9333, 0.5130, 0.3404

Background



This preview shows how black text looks on a background with the Yxy color 31.9333, 0.5130, 0.3404.



This preview shows how white text looks on a background with the Yxy color 31.9333, 0.5130, 0.3404.

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

31.9333, 0.5130, 0.3404

Protanopia

31.9295, 0.3661, 0.3925

Deuteranopia

31.8892, 0.4218, 0.4124



Tritanopia

31.8669, 0.4941, 0.3230

Trichromacy



Original Color

31.9333, 0.5130, 0.3404

Protanomaly

30.3332, 0.4205, 0.3703

Deuteranomaly

30.9178, 0.4570, 0.3820

Tritanomaly

31.9398, 0.5008, 0.3296

Monochromacy



Original Color

31.9333, 0.5130, 0.3404

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.6258, 0.3818, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9333, 0.5130, 0.3404 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, 104, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 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, 104, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 92) }
```

Border

The CSS property to change the border of an element to Yxy 31.9333, 0.5130, 0.3404 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, 104, 92) }
```

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

```
.border{ border-color:rgb(255, 104, 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, 104, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9333, 0.5130, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 92) }
```

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

```
.background{ background-color: rgb(255,  
104, 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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