

Converting Colors

$Y_{xy}(47.1417, 0.5555, 0.3375)$

Have a look what the booklet for
Yxy(47.1417, 0.5555, 0.3375)
contains.

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Color

Yxy(31.9160, 0.5141, 0.3413)

Conversions

Conversions Part 1

Format	Color
Hex	FF685B
RGB	255, 104, 91
RGB Percent	100%, 41%, 36%
CMY	0.0000, 0.5921, 0.6432
CMYK	0.00, 0.59, 0.64, 0.00
HSL	5°, 100%, 68%
HSV	5°, 64%, 100%
XYZ	48.0751, 31.9160, 13.5220
YIQ	147.6670, 94.1690, 27.9690

Conversions

Conversions Part 2

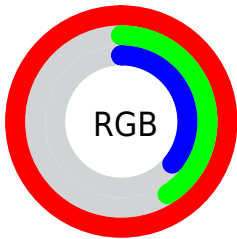
Format	Color
R_{YB}	255, 105, 91
Decimal	16738395
CIE Lab	63.27, 56.68, 36.90
CIE LCh	63, 67.634, 33.060
Yxy	31.9160, 0.5141, 0.3413
Android (android.graphics.Color)	4294928475 (0xFFFF685B)
YUV	147.6670, -27.9368, 94.1310
Hunter-Lab	56.4942, 53.0337, 25.3548

Details

The Yxy color **31.9160, 0.5141, 0.3413** 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 **72.9217, 0.2323, 0.3132**, and the grayscale version is **29.5604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3546, 0.4226, 0.3482**, and **13.3499, 0.5743, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **27.4630, 0.5599, 0.3408**, and if you desaturate by 10%, it is **37.8368, 0.4685, 0.3404**.

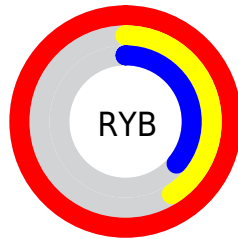
Distribution



Red (100%)

Green (41%)

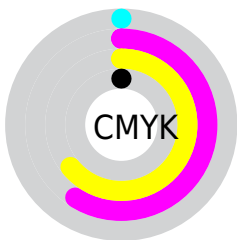
Blue (36%)



Red (100%)

Yellow (41%)

Blue (36%)

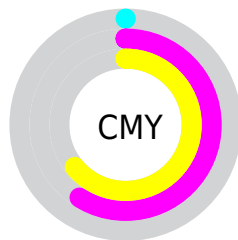


Cyan (0%)

Magenta (59%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9160, 0.5141, 0.3413 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 31.9160, 0.5141, 0.3413 by changing the saturation by 10% instead.


 31.9160, 0.5141,
0.3413


 31.9160, 0.5141,
0.3413

310.7364, 0.4080,
0.3430


 21.2973, 0.5408,
0.3378


 62.6794, 0.4750,
0.3441

 13.3415, 0.5745,
0.3314


 83.5929, 0.4604,
0.3445

 7.6641, 0.6175,
0.3195


 108.7068, 0.4482,
0.3445

 3.8808, 0.6812,
0.3013

 138.4056, 0.4377,
0.3444

 1.6071, 0.7431,
0.2569

173.0735, 0.4287,
0.3441

 0.3624, 0.8514,
0.1486

213.0950, 0.4209,


 0.0000, 1.0000,


0.3438


0.0000


258.8545, 0.4141,
0.3434

 0.0000, 0.0000,
0.0000


 31.9160, 0.5141,
0.3413

 31.9160, 0.5141,
0.3413


 27.4630, 0.5599,
0.3408


 37.8368, 0.4685,
0.3404


 24.3445, 0.5995,
0.3388


 45.3329, 0.4272,
0.3387

 22.4122, 0.6265,
0.3353

 54.5081, 0.3919,
0.3366

 21.7671, 0.6357,
0.3335

 65.4556, 0.3627,
0.3343

 78.2617, 0.3390,
0.3320

 93.0074, 0.3198,
0.3299

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.



31.9160, 0.4489, 0.2749



31.9160, 0.5141, 0.3413



31.9160, 0.5082, 0.4133

Triad

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



31.9160, 0.5141, 0.3413



31.9160, 0.2603, 0.4904



31.9160, 0.1748, 0.1782

Complementary

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



31.9160, 0.5141, 0.3413



72.9217, 0.2323, 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.



31.9160, 0.1441, 0.2010



31.9160, 0.5141, 0.3413



31.9160, 0.1840, 0.3748

Square

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



31.9160, 0.5141, 0.3413



31.9160, 0.3564, 0.5283



31.9160, 0.1459, 0.2644



31.9160, 0.2405, 0.1860

Rectangle

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



31.9160, 0.5141, 0.3413



31.9160, 0.4716, 0.4622



31.9160, 0.1459, 0.2644



31.9160, 0.1609, 0.1820

Sweetspot

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



31.9178, 0.5141, 0.3413



72.0337, 0.3495, 0.3330



35.2733, 0.3300, 0.1899



14.6472, 0.3564, 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.



31.9178, 0.5141, 0.3413



26.5033, 0.5714, 0.3404



56.2616, 0.4493, 0.4196



18.2188, 0.3293, 0.3310



11.4560, 0.6343, 0.3345



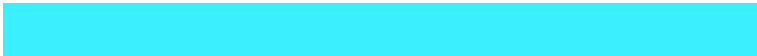
1.1916, 0.6221, 0.3443

Inverse Universe

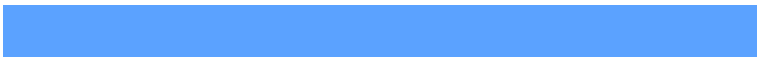
The Inverse Universe completely reimagines the original color for something new.



72.9217, 0.2323, 0.3132



70.1062, 0.2245, 0.3097



35.3035, 0.2074, 0.2075



20.2198, 0.2980, 0.3270



34.8446, 0.2178, 0.3039



3.4630, 0.2186, 0.3070

Previews

White Background



This preview shows how the Yxy color 31.9160, 0.5141, 0.3413 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 31.9160, 0.5141, 0.3413 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 31.9160, 0.5141, 0.3413

Background



This preview shows how black text looks on a background with the Yxy color 31.9160, 0.5141, 0.3413.



This preview shows how white text looks on a background with the Yxy color 31.9160, 0.5141, 0.3413.

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

31.9160, 0.5141, 0.3413

Protanopia

31.9076, 0.3671, 0.3940

Deuteranopia

31.8737, 0.4227, 0.4136



Tritanopia

31.8669, 0.4941, 0.3230

Trichromacy



Original Color

31.9160, 0.5141, 0.3413

Protanomaly

30.3130, 0.4217, 0.3716

Deuteranomaly

30.9015, 0.4580, 0.3831

Tritanomaly

31.9198, 0.5020, 0.3305

Monochromacy



Original Color

31.9160, 0.5141, 0.3413

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.5996, 0.3830, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9160, 0.5141, 0.3413 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 91) }
```

Border

The CSS property to change the border of an element to Yxy 31.9160, 0.5141, 0.3413 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, 91) }
```

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

```
.border{ border-color:rgb(255, 104, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9160, 0.5141, 0.3413 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, 91) }
```

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

```
.background{ background-color: rgb(255,  
104, 91) }
```

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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