

Converting Colors

$Y_{xy}(33.6525, 0.5172, 0.3579)$

Have a look what the booklet for
Yxy(33.6525, 0.5172, 0.3579)
contains.

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Color

Yxy(33.6643, 0.5173, 0.3581)

Conversions

Conversions Part 1

Format	Color
Hex	FF7151
RGB	255, 113, 81
RGB Percent	100%, 44%, 32%
CMY	0.0000, 0.5568, 0.6825
CMYK	0.00, 0.56, 0.68, 0.00
HSL	11°, 100%, 66%
HSV	11°, 68%, 100%
XYZ	48.6304, 33.6643, 11.7134
YIQ	151.8100, 94.9040, 20.1520

Conversions

Conversions Part 2

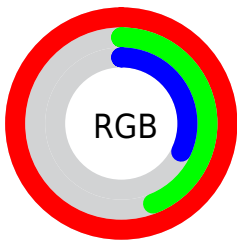
Format	Color
R_{YB}	255, 120, 81
Decimal	16740689
CIE Lab	64.70, 52.08, 44.01
CIE LCh	65, 68.188, 40.197
Yxy	33.6643, 0.5173, 0.3581
Android (android.graphics.Color)	4294930769 (0xFFFF7151)
YUV	151.8100, -34.9093, 90.4976
Hunter-Lab	58.0209, 48.0735, 28.6451

Details

The Yxy color **33.6643, 0.5173, 0.3581** is a light color, and the websafe version is hex **FF6633**. The color can be described as light muted orange. A complement of this color would be **61.7239, 0.2239, 0.2890**, and the grayscale version is **31.4358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9040, 0.4287, 0.3678**, and **14.3481, 0.5751, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **29.2297, 0.5589, 0.3568**, and if you desaturate by 10%, it is **39.3091, 0.4749, 0.3565**.

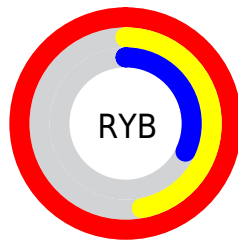
Distribution



Red (100%)

Green (44%)

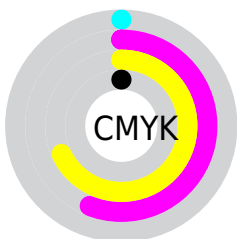
Blue (32%)



Red (100%)

Yellow (47%)

Blue (32%)

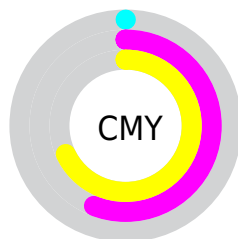


Cyan (0%)

Magenta (56%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (56%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6643, 0.5173, 0.3581 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 33.6643, 0.5173, 0.3581 by changing the saturation by 10% instead.


 33.6643, 0.5173,
0.3581


 33.6643, 0.5173,
0.3581


318.6326, 0.4114,
0.3525

 22.6358, 0.5430,
0.3559


 65.4113, 0.4789,
0.3586

 14.3248, 0.5749,
0.3508


 86.8986, 0.4644,
0.3581


 8.3469, 0.6143,
0.3403


 112.6410, 0.4521,
0.3572

 4.3177, 0.6746,
0.3254

 143.0228, 0.4415,
0.3563

 1.8528, 0.7201,
0.2799

 178.4285, 0.4324,
0.3553

 0.5198, 0.8049,
0.1951

219.2424, 0.4245,

 0.0000, 1.0000,

0.3544

0.0000

265.8490, 0.4175,
0.3534

■ 0.0000, 0.0000,
0.0000

■ 33.6643, 0.5173,
0.3581

■ 33.6643, 0.5173,
0.3581

■ 29.2297, 0.5589,
0.3568

■ 39.3091, 0.4749,
0.3565

■ 25.9106, 0.5946,
0.3521

■ 46.2413, 0.4354,
0.3529


■ 23.6018, 0.6196,
0.3447

■ 54.5361, 0.4008,
0.3482

■ 23.2884, 0.6231,
0.3434

■ 64.2617, 0.3714,
0.3430

■ 75.4818, 0.3469,
0.3378

 88.2561, 0.3267,
0.3328

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.



33.6643, 0.4687, 0.2905



33.6643, 0.5173, 0.3581



33.6643, 0.4962, 0.4305

Triad

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



33.6643, 0.5173, 0.3581



33.6643, 0.2401, 0.4657



33.6643, 0.1880, 0.1786

Complementary

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



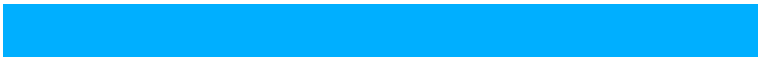
33.6643, 0.5173, 0.3581



61.7239, 0.2239, 0.2890

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.



33.6643, 0.1496, 0.1934



33.6643, 0.5173, 0.3581



33.6643, 0.1725, 0.3452

Square

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



33.6643, 0.5173, 0.3581



33.6643, 0.3334, 0.5263



33.6643, 0.1436, 0.2458



33.6643, 0.2621, 0.1929

Rectangle

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



33.6643, 0.5173, 0.3581



33.6643, 0.4532, 0.4778



33.6643, 0.1436, 0.2458



33.6643, 0.1715, 0.1800

Sweetspot

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



33.6656, 0.5173, 0.3581



73.4038, 0.3508, 0.3387



32.4734, 0.3526, 0.1991



15.0196, 0.3575, 0.3402



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.



33.6656, 0.5173, 0.3581



27.8583, 0.5733, 0.3555



63.1117, 0.4428, 0.4411



18.5278, 0.3290, 0.3334



12.3231, 0.6208, 0.3453



1.3382, 0.6008, 0.3611

Inverse Universe

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



61.7239, 0.2239, 0.2890



57.1706, 0.2146, 0.2798



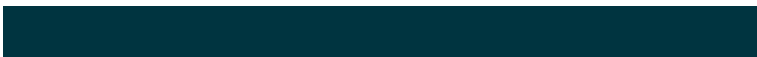
26.5990, 0.1952, 0.1716



19.8793, 0.2980, 0.3245



27.5641, 0.2080, 0.2689



2.8246, 0.2101, 0.2765

Previews

White Background



This preview shows how the Yxy color 33.6643, 0.5173, 0.3581 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 33.6643, 0.5173, 0.3581 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 33.6643, 0.5173, 0.3581

Background



This preview shows how black text looks on a background with the Yxy color 33.6643, 0.5173, 0.3581.



This preview shows how white text looks on a background with the Yxy color 33.6643, 0.5173, 0.3581.

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

33.6643, 0.5173, 0.3581

Protanopia

33.7291, 0.3857, 0.4172

Deuteranopia

33.7631, 0.4342, 0.4267



Tritanopia

33.6962, 0.4791, 0.3227

Trichromacy



Original Color

33.6643, 0.5173, 0.3581

Protanomaly

32.3616, 0.4342, 0.3928

Deuteranomaly

33.0121, 0.4660, 0.3989

Tritanomaly

33.6284, 0.4941, 0.3362

Monochromacy



Original Color

33.6643, 0.5173, 0.3581

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.5021, 0.3837, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6643, 0.5173, 0.3581 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, 113, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 81)  
}
```

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, 113, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 81) }
```

Border

The CSS property to change the border of an element to Yxy 33.6643, 0.5173, 0.3581 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, 113, 81) }
```

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

```
.border{ border-color:rgb(255, 113, 81) }
```

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

Here you see how a box with a 4 pixel rgb(255, 113, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6643, 0.5173, 0.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 81) }
```

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

```
.background{ background-color: rgb(255,  
113, 81) }
```

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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