

Converting Colors

$Y_{xy}(37.7852, 0.5278, 0.3536)$

Have a look what the booklet for
Yxy(37.7852, 0.5278, 0.3536)
contains.

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Color

Yxy(33.9347, 0.5135, 0.3566)

Conversions

Conversions Part 1

Format	Color
Hex	FF7254
RGB	255, 114, 84
RGB Percent	100%, 45%, 33%
CMY	0.0000, 0.5530, 0.6706
CMYK	0.00, 0.55, 0.67, 0.00
HSL	11°, 100%, 66%
HSV	11°, 67%, 100%
XYZ	48.8656, 33.9347, 12.3615
YIQ	152.7390, 93.6660, 20.5620

Conversions

Conversions Part 2

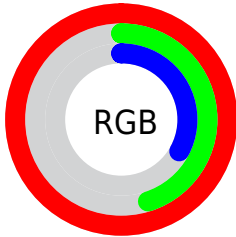
Format	Color
R _Y B	255, 120, 84
Decimal	16740948
CIE Lab	64.91, 51.80, 42.66
CIE LCh	65, 67.103, 39.473
Yxy	33.9347, 0.5135, 0.3566
Android (android.graphics.Color)	4294931028 (0xFFFF7254)
YUV	152.7390, -33.8883, 89.6829
Hunter-Lab	58.2535, 47.7900, 28.1960

Details

The Yxy color **33.9347, 0.5135, 0.3566** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **62.9632, 0.2254, 0.2918**, and the grayscale version is **31.8502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3852, 0.4245, 0.3648**, and **14.4680, 0.5709, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **29.3914, 0.5557, 0.3557**, and if you desaturate by 10%, it is **39.7063, 0.4709, 0.3549**.

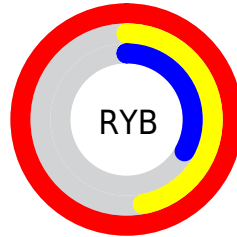
Distribution



Red (100%)

Green (45%)

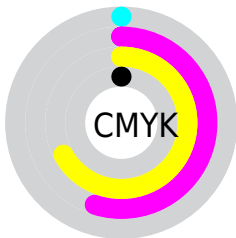
Blue (33%)



Red (100%)

Yellow (47%)

Blue (33%)

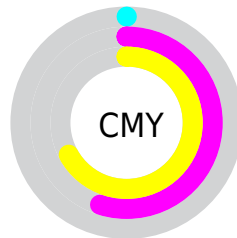


Cyan (0%)

Magenta (55%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (55%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9347, 0.5135, 0.3566 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 33.9347, 0.5135, 0.3566 by changing the saturation by 10% instead.


 33.9347, 0.5135,
0.3566


 33.9347, 0.5135,
0.3566


319.8408, 0.4094,
0.3513


 22.8434, 0.5389,
0.3545


 65.8321, 0.4757,
0.3571


 14.4779, 0.5705,
0.3497


 87.4070, 0.4614,
0.3565


 8.4538, 0.6099,
0.3398


 113.2453, 0.4493,
0.3558

 4.3867, 0.6720,
0.3265

 143.7314, 0.4390,
0.3549

 1.8921, 0.7180,
0.2820

 179.2495, 0.4301,
0.3540

 0.5436, 0.8000,
0.2000

220.1842, 0.4223,

 0.0000, 1.0000,

0.3531

0.0000

266.9198, 0.4155,
0.3522

■ 0.0000, 0.0000,
0.0000

■ 33.9347, 0.5135,
0.3566

■ 33.9347, 0.5135,
0.3566

■ 29.3914, 0.5557,
0.3557

■ 39.7063, 0.4709,
0.3549

■ 25.9951, 0.5925,
0.3514

■ 46.7999, 0.4316,
0.3513

■ 23.6352, 0.6186,
0.3444

■ 55.2873, 0.3973,
0.3467

■ 23.1151, 0.6245,
0.3423

■ 65.2381, 0.3684,
0.3417

■ 76.7173, 0.3443,
0.3368

 89.7859, 0.3245,
0.3321

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.



33.9347, 0.4639, 0.2898



33.9347, 0.5135, 0.3566



33.9347, 0.4947, 0.4279

Triad

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



33.9347, 0.5135, 0.3566



33.9347, 0.2437, 0.4653



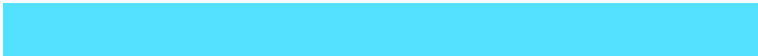
33.9347, 0.1886, 0.1807

Complementary

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



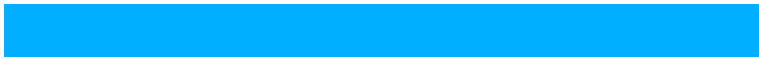
33.9347, 0.5135, 0.3566



62.9632, 0.2254, 0.2918

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.



33.9347, 0.1513, 0.1963



33.9347, 0.5135, 0.3566



33.9347, 0.1759, 0.3480

Square

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



33.9347, 0.5135, 0.3566



33.9347, 0.3359, 0.5227



33.9347, 0.1463, 0.2493



33.9347, 0.2608, 0.1941

Rectangle

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



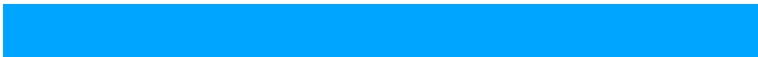
33.9347, 0.5135, 0.3566



33.9347, 0.4533, 0.4744



33.9347, 0.1463, 0.2493



33.9347, 0.1725, 0.1824

Sweetspot

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



33.9311, 0.5135, 0.3566



73.1794, 0.3509, 0.3382



33.1189, 0.3486, 0.1984



14.9668, 0.3576, 0.3396



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.



33.9311, 0.5135, 0.3566



28.2785, 0.5674, 0.3548



62.2880, 0.4426, 0.4374



18.5018, 0.3290, 0.3332



12.2265, 0.6222, 0.3441



1.3251, 0.6026, 0.3597

Inverse Universe

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



62.9632, 0.2254, 0.2918



58.7061, 0.2164, 0.2835



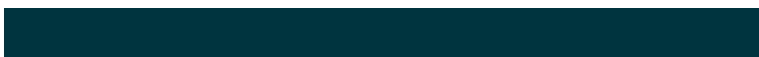
28.1542, 0.1979, 0.1784



19.9075, 0.2980, 0.3247



28.1289, 0.2089, 0.2719



2.8746, 0.2109, 0.2791

Previews

White Background



This preview shows how the Yxy color 33.9347, 0.5135, 0.3566 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 33.9347, 0.5135, 0.3566 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 33.9347, 0.5135, 0.3566

Background



This preview shows how black text looks on a background with the Yxy color 33.9347, 0.5135, 0.3566.



This preview shows how white text looks on a background with the Yxy color 33.9347, 0.5135, 0.3566.

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

33.9347, 0.5135, 0.3566

Protanopia

34.1445, 0.3815, 0.4130

Deuteranopia

33.9506, 0.4320, 0.4220



Tritanopia

33.9369, 0.4772, 0.3227

Trichromacy



Original Color

33.9347, 0.5135, 0.3566

Protanomaly

32.7107, 0.4304, 0.3905

Deuteranomaly

33.2222, 0.4634, 0.3947

Tritanomaly

33.8889, 0.4910, 0.3353

Monochromacy



Original Color

33.9347, 0.5135, 0.3566

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.9709, 0.3821, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9347, 0.5135, 0.3566 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, 114, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 84)  
}
```

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, 114, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 84) }
```

Border

The CSS property to change the border of an element to Yxy 33.9347, 0.5135, 0.3566 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, 114, 84) }
```

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

```
.border{ border-color:rgb(255, 114, 84) }
```

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

Here you see how a box with a 4 pixel rgb(255, 114, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9347, 0.5135, 0.3566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 84) }
```

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

```
.background{ background-color: rgb(255,  
114, 84) }
```

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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