

Converting Colors

$Y_{xy}(37.5960, 0.5009, 0.3561)$

Have a look what the booklet for
Yxy(37.5960, 0.5009, 0.3561)
contains.

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Color

Yxy(36.2341, 0.4960, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	FF7B5E
RGB	255, 123, 94
RGB Percent	100%, 48%, 37%
CMY	0.0000, 0.5176, 0.6315
CMYK	0.00, 0.52, 0.63, 0.00
HSL	11°, 100%, 68%
HSV	11°, 63%, 100%
XYZ	50.3421, 36.2341, 14.9199
YIQ	159.1620, 87.9810, 18.9650

Conversions

Conversions Part 2

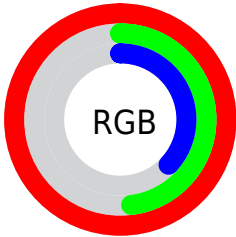
Format	Color
R _Y B	255, 129, 94
Decimal	16743262
CIE Lab	66.70, 48.09, 39.47
CIE LCh	67, 62.214, 39.382
Yxy	36.2341, 0.4960, 0.3570
Android (android.graphics.Color)	4294933342 (0xFFFF7B5E)
YUV	159.1620, -32.1249, 84.0499
Hunter-Lab	60.1948, 43.9422, 27.4407

Details

The Yxy color **36.2341, 0.4960, 0.3570** 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 **63.9611, 0.2285, 0.2932**, and the grayscale version is **34.8687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1451, 0.4109, 0.3638**, and **15.7989, 0.5490, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **31.2076, 0.5387, 0.3573**, and if you desaturate by 10%, it is **42.5223, 0.4546, 0.3543**.

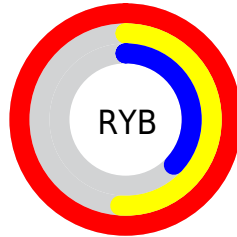
Distribution



Red (100%)

Green (48%)

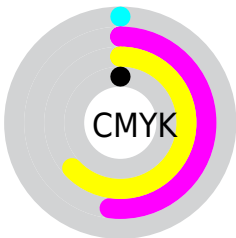
Blue (37%)



Red (100%)

Yellow (51%)

Blue (37%)

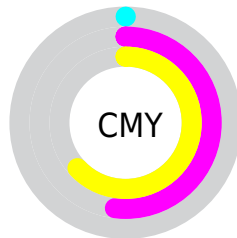


Cyan (0%)

Magenta (52%)

Yellow (63%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2341, 0.4960, 0.3570 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 36.2341, 0.4960, 0.3570 by changing the saturation by 10% instead.

 36.2341, 0.4960,
0.3570


 36.2341, 0.4960,
0.3570


329.9826, 0.4013,
0.3500

 24.6151, 0.5193,
0.3560


 69.3932, 0.4615,
0.3564


 15.7905, 0.5485,
0.3531


 91.7021, 0.4486,
0.3556

 9.3760, 0.5855,
0.3463


 118.3431, 0.4376,
0.3546

 4.9872, 0.6359,
0.3334

 149.7005, 0.4282,
0.3536

 2.2398, 0.6963,
0.3037

186.1587, 0.4201,
0.3527

 0.7416, 0.7611,
0.2389

228.1022, 0.4130,

 0.0000, 1.0000,

0.3517

0.0000

275.9154, 0.4068,
0.3508

0.0000, 0.0000,
0.0000

36.2341, 0.4960,
0.3570

36.2341, 0.4960,
0.3570

31.2076, 0.5387,
0.3573

42.5223, 0.4546,
0.3543

27.3505, 0.5782,
0.3543

50.1448, 0.4173,
0.3501


24.5664, 0.6090,
0.3481

59.1752, 0.3853,
0.3452

23.2143, 0.6237,
0.3430

69.6801, 0.3583,
0.3401

81.7218, 0.3361,
0.3351

 95.3590, 0.3178,
0.3304

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.



36.2341, 0.4498, 0.2938



36.2341, 0.4960, 0.3570



36.2341, 0.4812, 0.4233

Triad

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



36.2341, 0.4960, 0.3570



36.2341, 0.2511, 0.4511



36.2341, 0.1980, 0.1915

Complementary

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



36.2341, 0.4960, 0.3570



63.9611, 0.2285, 0.2932

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.



36.2341, 0.1628, 0.2071



36.2341, 0.4960, 0.3570



36.2341, 0.1874, 0.3476

Square

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



36.2341, 0.4960, 0.3570



36.2341, 0.3367, 0.5037



36.2341, 0.1585, 0.2576



36.2341, 0.2655, 0.2038

Rectangle

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



36.2341, 0.4960, 0.3570



36.2341, 0.4444, 0.4649



36.2341, 0.1585, 0.2576



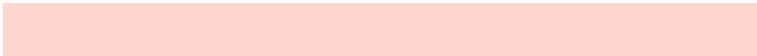
36.2341, 0.1828, 0.1934

Sweetspot

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



36.2360, 0.4960, 0.3570



74.4921, 0.3486, 0.3380



34.8681, 0.3461, 0.2036



15.2290, 0.3552, 0.3394



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.



36.2360, 0.4960, 0.3570



29.9946, 0.5505, 0.3568



63.9896, 0.4346, 0.4331



18.5169, 0.3290, 0.3334



12.2818, 0.6214, 0.3448



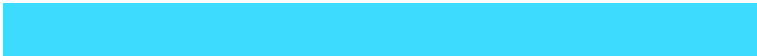
1.3326, 0.6016, 0.3605

Inverse Universe

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



63.9611, 0.2285, 0.2932



59.4242, 0.2185, 0.2848



30.6639, 0.2041, 0.1885



19.8912, 0.2980, 0.3246



27.8010, 0.2084, 0.2701



2.8456, 0.2104, 0.2776

Previews

White Background



This preview shows how the Yxy color 36.2341, 0.4960, 0.3570 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 36.2341, 0.4960, 0.3570 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 36.2341, 0.4960, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 36.2341, 0.4960, 0.3570.



This preview shows how white text looks on a background with the Yxy color 36.2341, 0.4960, 0.3570.

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

36.2341, 0.4960, 0.3570

Protanopia

36.5286, 0.3750, 0.4057

Deuteranopia

36.2894, 0.4227, 0.4142



Tritanopia

36.2515, 0.4597, 0.3214

Trichromacy



Original Color

36.2341, 0.4960, 0.3570

Protanomaly

35.1584, 0.4192, 0.3851

Deuteranomaly

35.4432, 0.4508, 0.3908

Tritanomaly

36.1957, 0.4733, 0.3344

Monochromacy



Original Color

36.2341, 0.4960, 0.3570

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.7764, 0.3759, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2341, 0.4960, 0.3570 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, 123, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 94)  
}
```

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, 123, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 94) }
```

Border

The CSS property to change the border of an element to Yxy 36.2341, 0.4960, 0.3570 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, 123, 94) }
```

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

```
.border{ border-color:rgb(255, 123, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2341, 0.4960, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 94) }
```

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

```
.background{ background-color: rgb(255,  
123, 94) }
```

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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