

Converting Colors

$Y_{xy}(33.8435, 0.4931, 0.3539)$

Have a look what the booklet for
Yxy(33.8435, 0.4931, 0.3539)
contains.

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Color

Yxy(33.9583, 0.4933, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	F8775E
RGB	248, 119, 94
RGB Percent	97%, 47%, 37%
CMY	0.0276, 0.5332, 0.6314
CMYK	0.00, 0.52, 0.62, 0.03
HSL	10°, 92%, 67%
HSV	10°, 62%, 97%
XYZ	47.3210, 33.9583, 14.6481
YIQ	154.7210, 84.9090, 19.5730

Conversions

Conversions Part 2

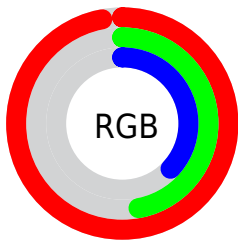
Format	Color
RYB	248, 124, 94
Decimal	16283486
CIELab	64.93, 47.45, 37.05
CIELCh	65, 60.205, 37.985
Yxy	33.9583, 0.4933, 0.3540
Android (android.graphics.Color)	4294473566 (0xFFFF8775E)
YUV	154.7210, -29.9355, 81.8057
Hunter-Lab	58.2738, 42.9712, 25.8881

Details

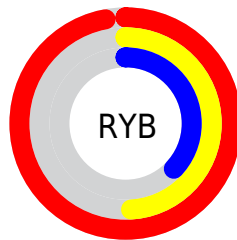
The Yxy color **33.9583, 0.4933, 0.3540** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **61.8947, 0.2304, 0.2975**, and the grayscale version is **32.7585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5764, 0.4128, 0.3597**, and **14.5408, 0.5466, 0.3500** is the 20% darker color. If you saturate the color by 10%, you get **29.1685, 0.5367, 0.3544**, and if you desaturate by 10%, it is **39.9745, 0.4516, 0.3515**.

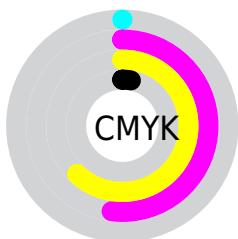
Distribution



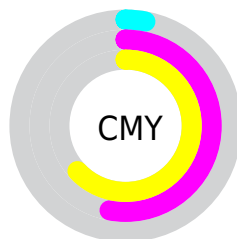
- Red (97%)
- Green (47%)
- Blue (37%)



- Red (97%)
- Yellow (49%)
- Blue (37%)



- Cyan (0%)
- Magenta (52%)
- Yellow (62%)
- Black (3%)





- Cyan (3%)
- Magenta (53%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9583, 0.4933, 0.3540 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 33.9583, 0.4933, 0.3540 by changing the saturation by 10% instead.


 33.9583, 0.4933,
0.3540

 33.9583, 0.4933,
0.3540


319.9461, 0.3988,
0.3480

 22.8616, 0.5170,
0.3529


 65.8688, 0.4586,
0.3537


 14.4913, 0.5470,
0.3497

 87.4514, 0.4456,
0.3530

 8.4632, 0.5855,
0.3425

 113.2980, 0.4347,
0.3521

 4.3927, 0.6396,
0.3293

 143.7931, 0.4254,
0.3513

 1.8956, 0.7032,
0.2968

179.3211, 0.4174,
0.3504

 0.5457, 0.7843,
0.2157

220.2663, 0.4104,

 0.0000, 1.0000,

0.3496

0.0000

267.0132, 0.4043,
0.3487

■ 0.0000, 0.0000,
0.0000

■ 33.9583, 0.4933,
0.3540

■ 33.9583, 0.4933,
0.3540

■ 29.1685, 0.5367,
0.3544

■ 39.9745, 0.4516,
0.3515

■ 25.5142, 0.5772,
0.3519

■ 47.2886, 0.4144,
0.3476


■ 22.9005, 0.6091,
0.3464

■ 55.9729, 0.3825,
0.3431

■ 21.4906, 0.6262,
0.3410

■ 66.0930, 0.3559,
0.3385

■ 77.7101, 0.3340,
0.3340

 90.8818, 0.3160,
0.3298

 98.6913, 0.3084,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.9583, 0.4448, 0.2915



33.9583, 0.4933, 0.3540



33.9583, 0.4815, 0.4198

Triad

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



33.9583, 0.4933, 0.3540



33.9583, 0.2555, 0.4536



33.9583, 0.1968, 0.1928

Complementary

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



33.9583, 0.4933, 0.3540



61.8947, 0.2304, 0.2975

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.



33.9583, 0.1632, 0.2098



33.9583, 0.4933, 0.3540



33.9583, 0.1908, 0.3523

Square

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



33.9583, 0.4933, 0.3540



33.9583, 0.3408, 0.5021



33.9583, 0.1605, 0.2618



33.9583, 0.2622, 0.2038

Rectangle

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



33.9583, 0.4933, 0.3540



33.9583, 0.4464, 0.4612



33.9583, 0.1605, 0.2618



33.9583, 0.1821, 0.1951

Sweetspot

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



33.9601, 0.4933, 0.3540



74.0532, 0.3487, 0.3371



33.3847, 0.3426, 0.2032



15.1249, 0.3554, 0.3384



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.



33.9601, 0.4933, 0.3540



29.7844, 0.5495, 0.3540



59.3780, 0.4341, 0.4294



17.6810, 0.3290, 0.3329



11.7440, 0.6241, 0.3426



1.2145, 0.6039, 0.3587

Inverse Universe

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



61.8947, 0.2304, 0.2975



61.5601, 0.2203, 0.2899



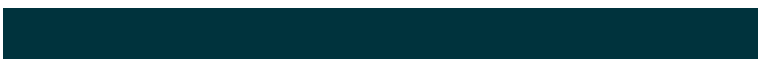
30.2986, 0.2068, 0.1950



19.0997, 0.2980, 0.3250



28.1204, 0.2101, 0.2763



2.7285, 0.2120, 0.2832

Previews

White Background



This preview shows how the Yxy color 33.9583, 0.4933, 0.3540 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 33.9583, 0.4933, 0.3540 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 33.9583, 0.4933, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 33.9583, 0.4933, 0.3540.



This preview shows how white text looks on a background with the Yxy color 33.9583, 0.4933, 0.3540.

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

33.9583, 0.4933, 0.3540

Protanopia

34.2158, 0.3722, 0.4007

Deuteranopia

34.1753, 0.4196, 0.4118



Tritanopia

34.0155, 0.4641, 0.3213

Trichromacy



Original Color

33.9583, 0.4933, 0.3540

Protanomaly

33.0881, 0.4155, 0.3816

Deuteranomaly

33.3496, 0.4482, 0.3880

Tritanomaly

33.8004, 0.4760, 0.3335

Monochromacy



Original Color

33.9583, 0.4933, 0.3540

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.8583, 0.3742, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9583, 0.4933, 0.3540 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(248, 119, 94)` looks like.

```
.text, #text, p{  
    color:rgb(248, 119, 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(248, 119, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 119, 94) }
```

Border

The CSS property to change the border of an element to Yxy 33.9583, 0.4933, 0.3540 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(248, 119, 94) }
```

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

```
.border{ border-color:rgb(248, 119, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 119, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 119, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 119, 94);  
box-shadow:4px 4px 4px 4px rgb(248, 119,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9583, 0.4933, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 119, 94) }
```

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

```
.background{ background-color: rgb(248,  
119, 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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