

Converting Colors

$Y_{xy}(45.3241, 0.5441, 0.3499)$

Have a look what the booklet for
Yxy(45.3241, 0.5441, 0.3499)
contains.

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Color

Yxy(34.1773, 0.5116, 0.3568)

Conversions

Conversions Part 1

Format	Color
Hex	FF7355
RGB	255, 115, 85
RGB Percent	100%, 45%, 33%
CMY	0.0001, 0.5489, 0.6667
CMYK	0.00, 0.55, 0.67, 0.00
HSL	11°, 100%, 67%
HSV	11°, 67%, 100%
XYZ	49.0053, 34.1773, 12.6058
YIQ	153.4400, 93.0700, 20.3500

Conversions

Conversions Part 2

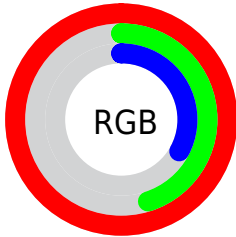
Format	Color
R_{YB}	255, 121, 85
Decimal	16741205
CIE Lab	65.10, 51.35, 42.36
CIE LCh	65, 66.566, 39.517
Yxy	34.1773, 0.5116, 0.3568
Android (android.graphics.Color)	4294931285 (0xFFFF7355)
YUV	153.4400, -33.7409, 89.0681
Hunter-Lab	58.4614, 47.3206, 28.1385

Details

The Yxy color **34.1773, 0.5116, 0.3568** 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 **62.9716, 0.2256, 0.2917**, and the grayscale version is **32.1794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7870, 0.4230, 0.3648**, and **14.5781, 0.5687, 0.3498** is the 20% darker color. If you saturate the color by 10%, you get **29.5883, 0.5539, 0.3560**, and if you desaturate by 10%, it is **40.0061, 0.4692, 0.3549**.

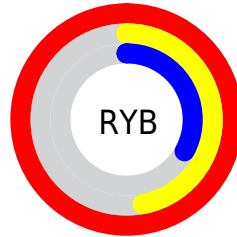
Distribution



Red (100%)

Green (45%)

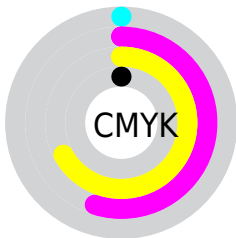
Blue (33%)



Red (100%)

Yellow (47%)

Blue (33%)

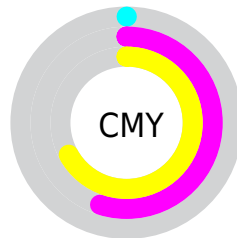


Cyan (0%)

Magenta (55%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1773, 0.5116, 0.3568 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 34.1773, 0.5116, 0.3568 by changing the saturation by 10% instead.


 34.1773, 0.5116,
0.3568

 34.1773, 0.5116,
0.3568


320.9219, 0.4085,
0.3512


 23.0298, 0.5368,
0.3549


 66.2093, 0.4742,
0.3571


 14.6155, 0.5681,
0.3503

 87.8626, 0.4600,
0.3565


 8.5500, 0.6073,
0.3408


 113.7867, 0.4481,
0.3557

 4.4489, 0.6678,
0.3274

 144.3659, 0.4378,
0.3548

 1.9277, 0.7155,
0.2845

 179.9846, 0.4290,
0.3539

 0.5649, 0.7951,
0.2049

221.0272, 0.4213,

 0.0000, 1.0000,

0.3530

0.0000

267.8782, 0.4145,
0.3521

■ 0.0000, 0.0000,
0.0000

■ 34.1773, 0.5116,
0.3568

■ 34.1773, 0.5116,
0.3568

■ 29.5883, 0.5539,
0.3560

■ 40.0061, 0.4692,
0.3549

■ 26.1421, 0.5910,
0.3519

■ 47.1511, 0.4301,
0.3513

■ 23.7352, 0.6176,
0.3448

■ 55.6889, 0.3961,
0.3466

■ 23.1373, 0.6243,
0.3425

■ 65.6888, 0.3673,
0.3416

■ 77.2152, 0.3435,
0.3367

 90.3286, 0.3238,
0.3320

99.9966, 0.3127,
0.3290

Harmonies

Analogous

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



34.1773, 0.4625, 0.2903



34.1773, 0.5116, 0.3568



34.1773, 0.4932, 0.4276

Triad

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



34.1773, 0.5116, 0.3568



34.1773, 0.2443, 0.4635



34.1773, 0.1897, 0.1819

Complementary

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



34.1773, 0.5116, 0.3568



62.9716, 0.2256, 0.2917

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.



34.1773, 0.1526, 0.1975



34.1773, 0.5116, 0.3568



34.1773, 0.1771, 0.3477

Square

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



34.1773, 0.5116, 0.3568



34.1773, 0.3358, 0.5206



34.1773, 0.1476, 0.2501



34.1773, 0.2615, 0.1952

Rectangle

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



34.1773, 0.5116, 0.3568



34.1773, 0.4523, 0.4736



34.1773, 0.1476, 0.2501



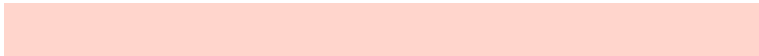
34.1773, 0.1736, 0.1836

Sweetspot

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



34.1792, 0.5116, 0.3568



73.2136, 0.3509, 0.3383



33.2786, 0.3484, 0.1989



14.9748, 0.3576, 0.3397



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.



34.1792, 0.5116, 0.3568



28.3224, 0.5671, 0.3550



62.4459, 0.4418, 0.4370



18.5058, 0.3290, 0.3333



12.2409, 0.6220, 0.3443



1.3271, 0.6023, 0.3599

Inverse Universe

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



62.9716, 0.2256, 0.2917



58.5643, 0.2163, 0.2831



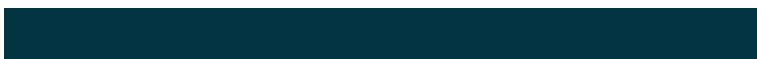
28.3926, 0.1985, 0.1794



19.9032, 0.2980, 0.3247



28.0423, 0.2087, 0.2714



2.8670, 0.2108, 0.2787

Previews

White Background



This preview shows how the Yxy color 34.1773, 0.5116, 0.3568 looks on a white background.

Color Contrast Check

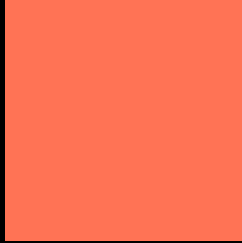
Large Text (above 18pt) WCAG AA × Fail

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 34.1773, 0.5116, 0.3568 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 34.1773, 0.5116, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 34.1773, 0.5116, 0.3568.



This preview shows how white text looks on a background with the Yxy color 34.1773, 0.5116, 0.3568.

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

34.1773, 0.5116, 0.3568

Protanopia

34.1640, 0.3806, 0.4116

Deuteranopia

34.2854, 0.4303, 0.4221



Tritanopia

34.1803, 0.4754, 0.3226

Trichromacy



Original Color

34.1773, 0.5116, 0.3568

Protanomaly

32.7288, 0.4294, 0.3893

Deuteranomaly

33.5228, 0.4616, 0.3948

Tritanomaly

34.1318, 0.4892, 0.3353

Monochromacy



Original Color

34.1773, 0.5116, 0.3568

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 34.1773, 0.5116, 0.3568 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, 115, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 85)  
}
```

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, 115, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 85) }
```

Border

The CSS property to change the border of an element to Yxy 34.1773, 0.5116, 0.3568 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, 115, 85) }
```

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

```
.border{ border-color:rgb(255, 115, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1773, 0.5116, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 85) }
```

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

```
.background{ background-color: rgb(255,  
115, 85) }
```

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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