

Converting Colors

$Y_{xy}(48.9666, 0.5418, 0.3469)$

Have a look what the booklet for
Yxy(48.9666, 0.5418, 0.3469)
contains.

Yxy(35.2440, 0.5002, 0.3539)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.2440, 0.5002, 0.3539)

Conversions

Conversions Part 1

Format	Color
Hex	FF775D
RGB	255, 119, 93
RGB Percent	100%, 47%, 36%
CMY	0.0000, 0.5333, 0.6353
CMYK	0.00, 0.53, 0.64, 0.00
HSL	10°, 100%, 68%
HSV	10°, 64%, 100%
XYZ	49.8136, 35.2440, 14.5298
YIQ	156.7000, 89.4020, 20.7460

Conversions

Conversions Part 2

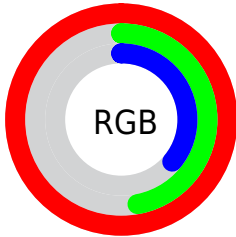
Format	Color
R _Y B	255, 124, 93
Decimal	16742237
CIE Lab	65.94, 49.94, 39.07
CIE LCh	66, 63.410, 38.035
Yxy	35.2440, 0.5002, 0.3539
Android (android.graphics.Color)	4294932317 (0xFFFF775D)
YUV	156.7000, -31.4041, 86.2091
Hunter-Lab	59.3667, 45.8849, 27.0456

Details

The Yxy color **35.2440, 0.5002, 0.3539** 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 **65.5747, 0.2291, 0.2971**, and the grayscale version is **33.6887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5457, 0.4137, 0.3607**, and **15.1843, 0.5539, 0.3487** is the 20% darker color. If you saturate the color by 10%, you get **30.3319, 0.5436, 0.3539**, and if you desaturate by 10%, it is **41.4558, 0.4579, 0.3517**.

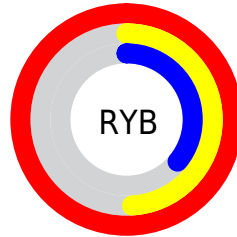
Distribution



Red (100%)

Green (47%)

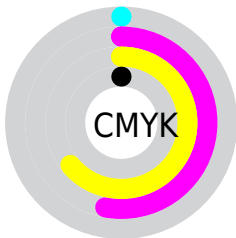
Blue (36%)



Red (100%)

Yellow (49%)

Blue (36%)

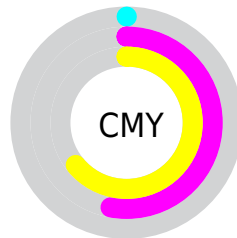


Cyan (0%)

Magenta (53%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2440, 0.5002, 0.3539 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 35.2440, 0.5002, 0.3539 by changing the saturation by 10% instead.


 35.2440, 0.5002,
0.3539


 35.2440, 0.5002,
0.3539


325.6440, 0.4030,
0.3486


 23.8509, 0.5243,
0.3524


 67.8636, 0.4647,
0.3540

 15.2230, 0.5544,
0.3487

 89.8589, 0.4514,
0.3534

 8.9761, 0.5927,
0.3408


 116.1570, 0.4401,
0.3527

 4.7256, 0.6458,
0.3268

 147.1423, 0.4305,
0.3518

 2.0872, 0.7064,
0.2936

183.1993, 0.4222,
0.3510

 0.6574, 0.7773,
0.2227

224.7123, 0.4149,

 0.0000, 1.0000,

0.3502

0.0000

272.0658, 0.4086,
0.3494

0.0000, 0.0000,
0.0000

35.2440, 0.5002,
0.3539

35.2440, 0.5002,
0.3539

30.3319, 0.5436,
0.3539

41.4558, 0.4579,
0.3517

26.6230, 0.5833,
0.3509

49.0487, 0.4198,
0.3480


24.0114, 0.6134,
0.3450

58.1005, 0.3870,
0.3437

22.8426, 0.6267,
0.3406

68.6827, 0.3596,
0.3391

80.8617, 0.3370,
0.3346

 94.7003, 0.3184,
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.



35.2440, 0.4502, 0.2899



35.2440, 0.5002, 0.3539



35.2440, 0.4870, 0.4216

Triad

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



35.2440, 0.5002, 0.3539



35.2440, 0.2527, 0.4592



35.2440, 0.1930, 0.1885

Complementary

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



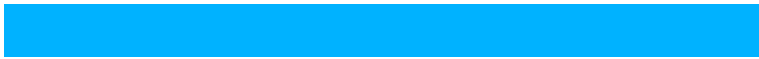
35.2440, 0.5002, 0.3539



65.5747, 0.2291, 0.2971

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.



35.2440, 0.1586, 0.2056



35.2440, 0.5002, 0.3539



35.2440, 0.1863, 0.3527

Square

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



35.2440, 0.5002, 0.3539



35.2440, 0.3407, 0.5095



35.2440, 0.1556, 0.2586



35.2440, 0.2603, 0.1999

Rectangle

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



35.2440, 0.5002, 0.3539



35.2440, 0.4501, 0.4650



35.2440, 0.1556, 0.2586



35.2440, 0.1780, 0.1907

Sweetspot

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



35.2450, 0.5002, 0.3539



74.0038, 0.3488, 0.3370



34.8388, 0.3435, 0.2010



15.1132, 0.3555, 0.3383



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.



35.2450, 0.5002, 0.3539



29.3096, 0.5540, 0.3534



62.5734, 0.4374, 0.4311



18.4580, 0.3290, 0.3329



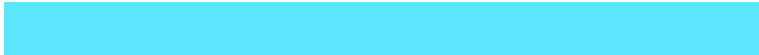
12.0739, 0.6246, 0.3423



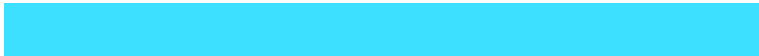
1.3039, 0.6055, 0.3574

Inverse Universe

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



65.5747, 0.2291, 0.2971



61.4634, 0.2198, 0.2898



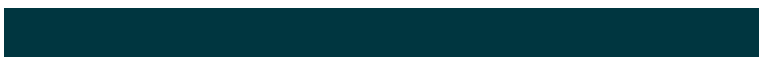
31.2607, 0.2043, 0.1911



19.9553, 0.2980, 0.3251



29.1005, 0.2103, 0.2769



2.9605, 0.2121, 0.2835

Previews

White Background



This preview shows how the Yxy color 35.2440, 0.5002, 0.3539 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 35.2440, 0.5002, 0.3539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

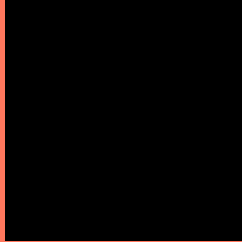
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.2440, 0.5002, 0.3539

Background



This preview shows how black text looks on a background with the Yxy color 35.2440, 0.5002, 0.3539.



This preview shows how white text looks on a background with the Yxy color 35.2440, 0.5002, 0.3539.

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

35.2440, 0.5002, 0.3539

Protanopia

35.5925, 0.3739, 0.4038

Deuteranopia

35.3247, 0.4240, 0.4149



Tritanopia

35.2060, 0.4669, 0.3215

Trichromacy



Original Color

35.2440, 0.5002, 0.3539

Protanomaly

34.2336, 0.4194, 0.3844

Deuteranomaly

34.6764, 0.4524, 0.3899

Tritanomaly

35.1748, 0.4794, 0.3334

Monochromacy



Original Color

35.2440, 0.5002, 0.3539

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.7036, 0.3771, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2440, 0.5002, 0.3539 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, 119, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 93)  
}
```

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, 119, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 93) }
```

Border

The CSS property to change the border of an element to Yxy 35.2440, 0.5002, 0.3539 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, 119, 93) }
```

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

```
.border{ border-color:rgb(255, 119, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 119, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2440, 0.5002, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 93) }
```

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

```
.background{ background-color: rgb(255,  
119, 93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor