

Converting Colors

$Y_{xy}(39.5315, 0.5221, 0.3550)$

Have a look what the booklet for
Yxy(39.5315, 0.5221, 0.3550)
contains.

Yxy(35.1418, 0.5063, 0.3590)	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(35.1418, 0.5063, 0.3590)

Conversions

Conversions Part 1

Format	Color
Hex	FF7757
RGB	255, 119, 87
RGB Percent	100%, 47%, 34%
CMY	0.0000, 0.5333, 0.6589
CMYK	0.00, 0.53, 0.66, 0.00
HSL	11°, 100%, 67%
HSV	11°, 66%, 100%
XYZ	49.5607, 35.1418, 13.1855
YIQ	156.0160, 91.3280, 18.8800

Conversions

Conversions Part 2

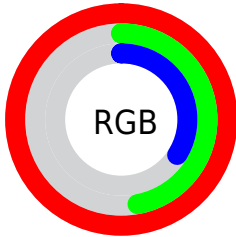
Format	Color
R _Y B	255, 127, 87
Decimal	16742231
CIE Lab	65.86, 49.60, 42.19
CIE LCh	66, 65.116, 40.382
Yxy	35.1418, 0.5063, 0.3590
Android (android.graphics.Color)	4294932311 (0xFFFF7757)
YUV	156.0160, -34.0249, 86.8090
Hunter-Lab	59.2805, 45.4917, 28.3087

Details

The Yxy color **35.1418, 0.5063, 0.3590** 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 **62.0174, 0.2256, 0.2892**, and the grayscale version is **33.3757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3671, 0.4191, 0.3669**, and **15.1403, 0.5608, 0.3536** is the 20% darker color. If you saturate the color by 10%, you get **30.4044, 0.5483, 0.3585**, and if you desaturate by 10%, it is **41.0919, 0.4646, 0.3567**.

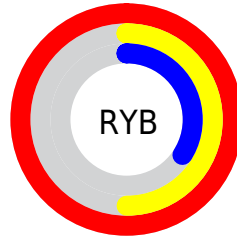
Distribution



Red (100%)

Green (47%)

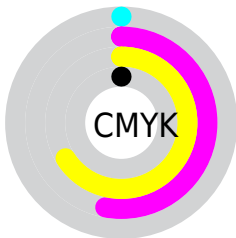
Blue (34%)



Red (100%)

Yellow (50%)

Blue (34%)

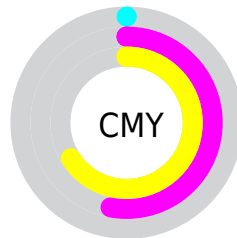


Cyan (0%)

Magenta (53%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1418, 0.5063, 0.3590 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 35.1418, 0.5063, 0.3590 by changing the saturation by 10% instead.


 35.1418, 0.5063,
0.3590


 35.1418, 0.5063,
0.3590


325.1938, 0.4063,
0.3520


 23.7721, 0.5307,
0.3576


 67.7054, 0.4700,
0.3587

 15.1647, 0.5611,
0.3538


 89.6681, 0.4563,
0.3579


 8.9350, 0.5991,
0.3455


 115.9306, 0.4447,
0.3569

 4.6988, 0.6554,
0.3327

 146.8773, 0.4348,
0.3559

 2.0717, 0.7056,
0.2944

 182.8925, 0.4262,
0.3549

 0.6486, 0.7772,
0.2228

224.3608, 0.4187,

 0.0000, 1.0000,

0.3538

0.0000

271.6664, 0.4121,
0.3529

■ 0.0000, 0.0000,
0.0000

■ 35.1418, 0.5063,
0.3590

■ 35.1418, 0.5063,
0.3590

■ 30.4044, 0.5483,
0.3585

■ 41.0919, 0.4646,
0.3567

■ 26.7955, 0.5857,
0.3546

■ 48.3342, 0.4264,
0.3526


■ 24.2164, 0.6135,
0.3474

■ 56.9389, 0.3931,
0.3476

■ 23.4216, 0.6221,
0.3443

■ 66.9715, 0.3650,
0.3422

■ 78.4934, 0.3417,
0.3369

 91.5623, 0.3224,
0.3318

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.



35.1418, 0.4602, 0.2935



35.1418, 0.5063, 0.3590



35.1418, 0.4875, 0.4282

Triad

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



35.1418, 0.5063, 0.3590



35.1418, 0.2444, 0.4560



35.1418, 0.1944, 0.1854

Complementary

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



35.1418, 0.5063, 0.3590



62.0174, 0.2256, 0.2892

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.



35.1418, 0.1569, 0.2000



35.1418, 0.5063, 0.3590



35.1418, 0.1794, 0.3443

Square

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



35.1418, 0.5063, 0.3590



35.1418, 0.3334, 0.5140



35.1418, 0.1512, 0.2507



35.1418, 0.2656, 0.1992

Rectangle

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



35.1418, 0.5063, 0.3590



35.1418, 0.4473, 0.4723



35.1418, 0.1512, 0.2507



35.1418, 0.1782, 0.1868

Sweetspot

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



35.1411, 0.5063, 0.3590



73.5691, 0.3508, 0.3390



33.4675, 0.3509, 0.2020



15.0585, 0.3574, 0.3405



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.



35.1411, 0.5063, 0.3590



29.1639, 0.5607, 0.3577



64.0939, 0.4382, 0.4386



18.5469, 0.3290, 0.3336



12.3970, 0.6197, 0.3462



1.3481, 0.5995, 0.3622

Inverse Universe

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



62.0174, 0.2256, 0.2892



57.4231, 0.2159, 0.2801



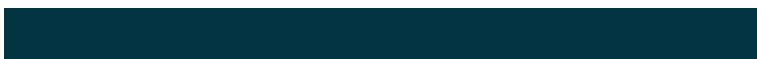
28.0587, 0.1989, 0.1778



19.8585, 0.2980, 0.3244



27.1539, 0.2074, 0.2666



2.7882, 0.2096, 0.2745

Previews

White Background



This preview shows how the Yxy color 35.1418, 0.5063, 0.3590 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 35.1418, 0.5063, 0.3590 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 35.1418, 0.5063, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 35.1418, 0.5063, 0.3590.



This preview shows how white text looks on a background with the Yxy color 35.1418, 0.5063, 0.3590.

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

35.1418, 0.5063, 0.3590

Protanopia

35.2149, 0.3818, 0.4118

Deuteranopia

35.2320, 0.4290, 0.4215



Tritanopia

35.1808, 0.4681, 0.3225

Trichromacy



Original Color

35.1418, 0.5063, 0.3590

Protanomaly

33.9512, 0.4272, 0.3901

Deuteranomaly

34.5797, 0.4580, 0.3960

Tritanomaly

35.1084, 0.4829, 0.3363

Monochromacy



Original Color

35.1418, 0.5063, 0.3590

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.4901, 0.3793, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1418, 0.5063, 0.3590 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 87) }
```

Border

The CSS property to change the border of an element to Yxy 35.1418, 0.5063, 0.3590 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, 87) }
```

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

```
.border{ border-color:rgb(255, 119, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1418, 0.5063, 0.3590 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, 87) }
```

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

```
.background{ background-color: rgb(255,  
119, 87) }
```

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