

Converting Colors

$Y_{xy}(36.6320, 0.5102, 0.3701)$

Have a look what the booklet for
Yxy(36.6320, 0.5102, 0.3701)
contains.

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Color

Yxy(36.2398, 0.5095, 0.3703)

Conversions

Conversions Part 1

Format	Color
Hex	FF7C4F
RGB	255, 124, 79
RGB Percent	100%, 49%, 31%
CMY	0.0000, 0.5137, 0.6902
CMYK	0.00, 0.51, 0.69, 0.00
HSL	15°, 100%, 65%
HSV	15°, 69%, 100%
XYZ	49.8628, 36.2398, 11.7635
YIQ	158.0390, 92.5210, 13.7770

Conversions

Conversions Part 2

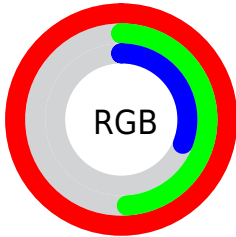
Format	Color
RYB	255, 139, 79
Decimal	16743503
CIELab	66.70, 46.78, 47.34
CIElCh	67, 66.551, 45.338
Yxy	36.2398, 0.5095, 0.3703
Android (android.graphics.Color)	4294933583 (0xFFFF7C4F)
YUV	158.0390, -38.9662, 85.0348
Hunter-Lab	60.1995, 42.5010, 30.5539

Details

The Yxy color **36.2398, 0.5095, 0.3703** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **54.9759, 0.2192, 0.2719**, and the grayscale version is **34.3579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1119, 0.4233, 0.3800**, and **15.8119, 0.5621, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **31.6283, 0.5482, 0.3693**, and if you desaturate by 10%, it is **41.9079, 0.4701, 0.3677**.

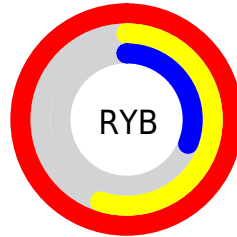
Distribution



Red (100%)

Green (49%)

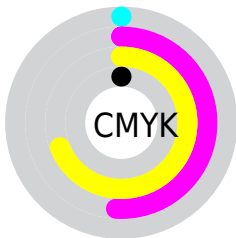
Blue (31%)



Red (100%)

Yellow (55%)

Blue (31%)

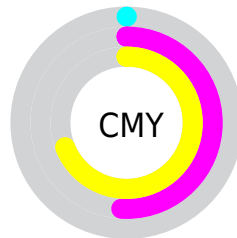


Cyan (0%)

Magenta (51%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2398, 0.5095, 0.3703 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 36.2398, 0.5095, 0.3703 by changing the saturation by 10% instead.


 36.2398, 0.5095,
0.3703


 36.2398, 0.5095,
0.3703


330.0075, 0.4092,
0.3586


 24.6195, 0.5333,
0.3696


 69.4020, 0.4736,
0.3686


 15.7938, 0.5625,
0.3666


 91.7127, 0.4598,
0.3672


 9.3783, 0.5982,
0.3589


 118.3556, 0.4481,
0.3656

 4.9888, 0.6522,
0.3478

 149.7151, 0.4381,
0.3641

 2.2407, 0.6919,
0.3081

 186.1757, 0.4294,
0.3626

 0.7420, 0.7561,
0.2439

228.1217, 0.4218,

 0.0000, 1.0000,

0.3612

0.0000

275.9375, 0.4151,
0.3598

0.0000, 0.0000,
0.0000

36.2398, 0.5095,
0.3703

36.2398, 0.5095,
0.3703

31.6283, 0.5482,
0.3693

41.9079, 0.4701,
0.3677

28.0053, 0.5821,
0.3640

48.6976, 0.4331,
0.3625


25.2865, 0.6074,
0.3550

56.6661, 0.4002,
0.3560

25.0632, 0.6096,
0.3542

65.8671, 0.3719,
0.3489

76.3509, 0.3479,
0.3417

 88.1650, 0.3279,
0.3348

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.



36.2398, 0.4740, 0.3035



36.2398, 0.5095, 0.3703



36.2398, 0.4806, 0.4403

Triad

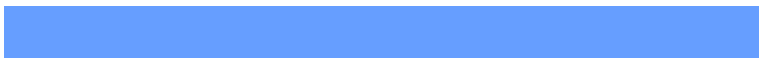
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.2398, 0.5095, 0.3703



36.2398, 0.2304, 0.4406



36.2398, 0.2027, 0.1846

Complementary

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



36.2398, 0.5095, 0.3703



54.9759, 0.2192, 0.2719

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.



36.2398, 0.1596, 0.1941



36.2398, 0.5095, 0.3703



36.2398, 0.1708, 0.3260

Square

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



36.2398, 0.5095, 0.3703



36.2398, 0.3179, 0.5128



36.2398, 0.1485, 0.2383



36.2398, 0.2801, 0.2028

Rectangle

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



36.2398, 0.5095, 0.3703



36.2398, 0.4359, 0.4834



36.2398, 0.1485, 0.2383



36.2398, 0.1846, 0.1844

Sweetspot

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



36.2392, 0.5095, 0.3703



74.1712, 0.3524, 0.3431



31.5549, 0.3668, 0.2074



15.2435, 0.3588, 0.3451



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.



36.2392, 0.5095, 0.3703



30.0723, 0.5625, 0.3678



68.4128, 0.4353, 0.4516



18.7418, 0.3288, 0.3351



13.2969, 0.6068, 0.3564



1.4611, 0.5851, 0.3736

Inverse Universe

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



54.9759, 0.2192, 0.2719



49.4616, 0.2085, 0.2584



23.0479, 0.1904, 0.1547



19.6489, 0.2980, 0.3228



23.2236, 0.2010, 0.2437



2.4366, 0.2041, 0.2546

Previews

White Background



This preview shows how the Yxy color 36.2398, 0.5095, 0.3703 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 36.2398, 0.5095, 0.3703 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 36.2398, 0.5095, 0.3703

Background



This preview shows how black text looks on a background with the Yxy color 36.2398, 0.5095, 0.3703.



This preview shows how white text looks on a background with the Yxy color 36.2398, 0.5095, 0.3703.

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

36.2398, 0.5095, 0.3703

Protanopia

36.5508, 0.3928, 0.4271

Deuteranopia

36.3281, 0.4376, 0.4299



Tritanopia

36.2515, 0.4597, 0.3214

Trichromacy



Original Color

36.2398, 0.5095, 0.3703

Protanomaly

35.4484, 0.4366, 0.4052

Deuteranomaly

35.8267, 0.4650, 0.4058

Tritanomaly

36.0605, 0.4802, 0.3403

Monochromacy



Original Color

36.2398, 0.5095, 0.3703

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.4802, 0.3813, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2398, 0.5095, 0.3703 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, 124, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 124, 79)  
}
```

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, 124, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 124, 79) }
```

Border

The CSS property to change the border of an element to Yxy 36.2398, 0.5095, 0.3703 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, 124, 79) }
```

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

```
.border{ border-color:rgb(255, 124, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 124, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 124, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 124, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 124,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2398, 0.5095, 0.3703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 124, 79) }
```

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

```
.background{ background-color: rgb(255,  
124, 79) }
```

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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