

Converting Colors

$Y_{xy}(34.0620, 0.5246, 0.3681)$

Have a look what the booklet for
Yxy(34.0620, 0.5246, 0.3681)
contains.

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Color

Yxy(33.9764, 0.5247, 0.3675)

Conversions

Conversions Part 1

Format	Color
Hex	FF7347
RGB	255, 115, 71
RGB Percent	100%, 45%, 28%
CMY	0.0000, 0.5490, 0.7215
CMYK	0.00, 0.55, 0.72, 0.00
HSL	14°, 100%, 64%
HSV	14°, 72%, 100%
XYZ	48.5100, 33.9764, 9.9664
YIQ	151.8440, 97.5640, 15.9960

Conversions

Conversions Part 2

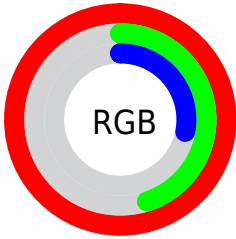
Format	Color
RYB	255, 129, 71
Decimal	16741191
CIELab	64.94, 50.68, 49.42
CIElCh	65, 70.791, 44.280
Yxy	33.9764, 0.5247, 0.3675
Android (android.graphics.Color)	4294931271 (0xFFFF7347)
YUV	151.8440, -39.8561, 90.4678
Hunter-Lab	58.2893, 46.5465, 30.6650

Details

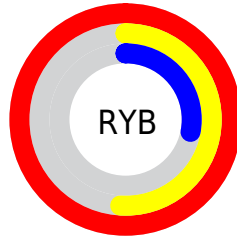
The Yxy color **33.9764, 0.5247, 0.3675** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **55.1594, 0.2175, 0.2730**, and the grayscale version is **31.4737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3899, 0.4364, 0.3797**, and **14.4718, 0.5811, 0.3609** is the 20% darker color. If you saturate the color by 10%, you get **29.7463, 0.5630, 0.3651**, and if you desaturate by 10%, it is **39.2773, 0.4844, 0.3662**.

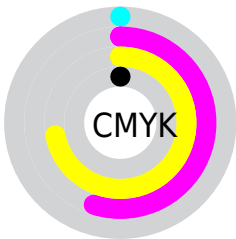
Distribution



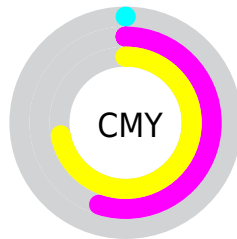
- Red (100%)
- Green (45%)
- Blue (28%)



- Red (100%)
- Yellow (51%)
- Blue (28%)



- Cyan (0%)
- Magenta (55%)
- Yellow (72%)
- Black (0%)




- Cyan (0%)
- Magenta (55%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9764, 0.5247, 0.3675 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 33.9764, 0.5247, 0.3675 by changing the saturation by 10% instead.


 33.9764, 0.5247,
0.3675


 33.9764, 0.5247,
0.3675


320.0268, 0.4162,
0.3587

 22.8755, 0.5503,
0.3655


 65.8970, 0.4859,
0.3673


 14.5016, 0.5814,
0.3603


 87.4854, 0.4710,
0.3663


 8.4703, 0.6193,
0.3495

 113.3384, 0.4584,
0.3651

 4.3974, 0.6696,
0.3304

 143.8405, 0.4475,
0.3638

 1.8982, 0.7141,
0.2859

 179.3760, 0.4381,
0.3624

 0.5473, 0.7955,
0.2045

220.3293, 0.4299,

 0.0000, 1.0000,

0.3611

0.0000

267.0847, 0.4226,
0.3599

■ 0.0000, 0.0000,
0.0000

■ 33.9764, 0.5247,
0.3675

■ 33.9764, 0.5247,
0.3675

■ 29.7463, 0.5630,
0.3651

■ 39.2773, 0.4844,
0.3662

■ 26.5064, 0.5947,
0.3585

■ 45.7149, 0.4457,
0.3620

■ 24.5930, 0.6131,
0.3514

■ 53.3532, 0.4109,
0.3563

■ 62.2504, 0.3807,
0.3497

■ 72.4608, 0.3552,
0.3430

 84.0354, 0.3339,
0.3364

 97.0225, 0.3161,
0.3303

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.



33.9764, 0.4850, 0.2978



33.9764, 0.5247, 0.3675



33.9764, 0.4934, 0.4421

Triad

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



33.9764, 0.5247, 0.3675



33.9764, 0.2257, 0.4558



33.9764, 0.1926, 0.1750

Complementary

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



33.9764, 0.5247, 0.3675



55.1594, 0.2175, 0.2730

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.



33.9764, 0.1488, 0.1855



33.9764, 0.5247, 0.3675



33.9764, 0.1619, 0.3286

Square

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



33.9764, 0.5247, 0.3675



33.9764, 0.3193, 0.5313



33.9764, 0.1381, 0.2327



33.9764, 0.2734, 0.1933

Rectangle

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



33.9764, 0.5247, 0.3675



33.9764, 0.4452, 0.4904



33.9764, 0.1381, 0.2327



33.9764, 0.1741, 0.1751

Sweetspot

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



33.9775, 0.5247, 0.3675



72.6213, 0.3548, 0.3429



30.5267, 0.3663, 0.2019



14.9217, 0.3613, 0.3447



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.



33.9775, 0.5247, 0.3675



28.0555, 0.5795, 0.3624



65.8289, 0.4427, 0.4523



18.6919, 0.3288, 0.3348



13.0408, 0.6104, 0.3535



1.4301, 0.5889, 0.3706

Inverse Universe

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



55.1594, 0.2175, 0.2730



49.7714, 0.2076, 0.2597



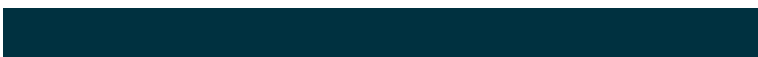
22.0138, 0.1865, 0.1500



19.7022, 0.2980, 0.3232



24.1863, 0.2027, 0.2496



2.5232, 0.2055, 0.2597

Previews

White Background



This preview shows how the Yxy color 33.9764, 0.5247, 0.3675 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 33.9764, 0.5247, 0.3675 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 33.9764, 0.5247, 0.3675

Background



This preview shows how black text looks on a background with the Yxy color 33.9764, 0.5247, 0.3675.



This preview shows how white text looks on a background with the Yxy color 33.9764, 0.5247, 0.3675.

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

33.9764, 0.5247, 0.3675

Protanopia

34.1083, 0.3967, 0.4320

Deuteranopia

34.0419, 0.4448, 0.4347



Tritanopia

33.9369, 0.4772, 0.3227

Trichromacy



Original Color

33.9764, 0.5247, 0.3675

Protanomaly

32.6217, 0.4448, 0.4059

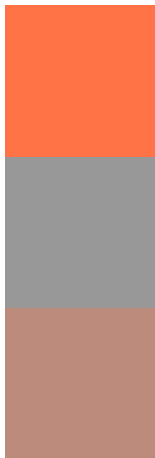
Deuteranomaly

33.1901, 0.4763, 0.4070

Tritanomaly

33.7879, 0.4968, 0.3399

Monochromacy



Original Color

33.9764, 0.5247, 0.3675

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.7141, 0.3867, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9764, 0.5247, 0.3675 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, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 71)  
}
```

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, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 71) }
```

Border

The CSS property to change the border of an element to Yxy 33.9764, 0.5247, 0.3675 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, 71) }
```

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

```
.border{ border-color:rgb(255, 115, 71) }
```

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, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9764, 0.5247, 0.3675 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, 71) }
```

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

```
.background{ background-color: rgb(255,  
115, 71) }
```

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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