

Converting Colors

$Y_{xy}(34.6765, 0.5212, 0.3678)$

Have a look what the booklet for
Yxy(34.6765, 0.5212, 0.3678)
contains.

Yxy(34.4636, 0.5211, 0.3680)	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(34.4636, 0.5211, 0.3680)

Conversions

Conversions Part 1

Format	Color
Hex	FF7549
RGB	255, 117, 73
RGB Percent	100%, 46%, 29%
CMY	0.0000, 0.5411, 0.7137
CMYK	0.00, 0.54, 0.71, 0.00
HSL	15°, 100%, 64%
HSV	15°, 71%, 100%
XYZ	48.8016, 34.4636, 10.3859
YIQ	153.2460, 96.3720, 15.5720

Conversions

Conversions Part 2

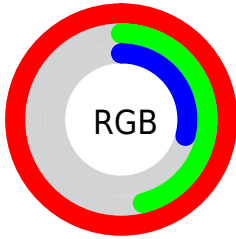
Format	Color
RYB	255, 131, 73
Decimal	16741705
CIELab	65.33, 49.82, 48.84
CIELCh	65, 69.768, 44.431
Yxy	34.4636, 0.5211, 0.3680
Android (android.graphics.Color)	4294931785 (0xFFFF7549)
YUV	153.2460, -39.5613, 89.2383
Hunter-Lab	58.7057, 45.6506, 30.6047

Details

The Yxy color **34.4636, 0.5211, 0.3680** 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 **55.2199, 0.2180, 0.2730**, and the grayscale version is **32.1152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1951, 0.4334, 0.3798**, and **14.8317, 0.5770, 0.3612** is the 20% darker color. If you saturate the color by 10%, you get **30.1434, 0.5596, 0.3659**, and if you desaturate by 10%, it is **39.8565, 0.4809, 0.3663**.

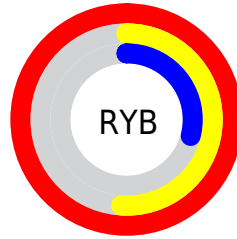
Distribution



Red (100%)

Green (46%)

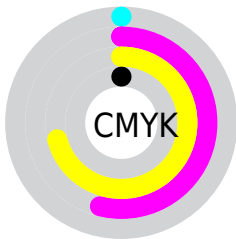
Blue (29%)



Red (100%)

Yellow (51%)

Blue (29%)

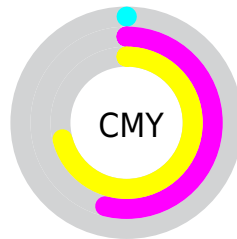


Cyan (0%)

Magenta (54%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4636, 0.5211, 0.3680 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 34.4636, 0.5211, 0.3680 by changing the saturation by 10% instead.

 34.4636, 0.5211,
0.3680


 34.4636, 0.5211,
0.3680


322.1943, 0.4145,
0.3585

 23.2500, 0.5463,
0.3663


 66.6540, 0.4829,
0.3675


 14.7782, 0.5770,
0.3616


 88.3995, 0.4683,
0.3664


 8.6639, 0.6143,
0.3514


 114.4244, 0.4559,
0.3651

 4.5226, 0.6657,
0.3343

 145.1132, 0.4452,
0.3637

 1.9700, 0.7092,
0.2908

 180.8502, 0.4360,
0.3623

 0.5899, 0.7859,
0.2141

222.0198, 0.4279,

 0.0000, 1.0000,

0.3610

0.0000

269.0063, 0.4208,
0.3597

■ 0.0000, 0.0000,
0.0000

■ 34.4636, 0.5211,
0.3680

■ 34.4636, 0.5211,
0.3680

■ 30.1434, 0.5596,
0.3659

■ 39.8565, 0.4809,
0.3663

■ 26.8145, 0.5919,
0.3597


■ 46.3842, 0.4426,
0.3620

■ 24.6658, 0.6125,
0.3518

■ 54.1106, 0.4082,
0.3561

■ 63.0931, 0.3785,
0.3494

■ 73.3851, 0.3533,
0.3426

 85.0369, 0.3323,
0.3360

 98.0962, 0.3149,
0.3298

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



34.4636, 0.4822, 0.2990



34.4636, 0.5211, 0.3680



34.4636, 0.4906, 0.4415

Triad

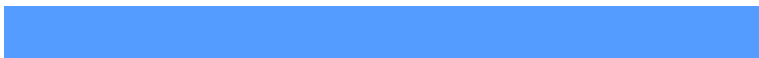
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.4636, 0.5211, 0.3680



34.4636, 0.2271, 0.4525



34.4636, 0.1948, 0.1772

Complementary

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



34.4636, 0.5211, 0.3680



55.2199, 0.2180, 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.



34.4636, 0.1512, 0.1876



34.4636, 0.5211, 0.3680



34.4636, 0.1641, 0.3283

Square

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



34.4636, 0.5211, 0.3680



34.4636, 0.3193, 0.5269



34.4636, 0.1406, 0.2342



34.4636, 0.2747, 0.1955

Rectangle

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



34.4636, 0.5211, 0.3680



34.4636, 0.4433, 0.4886



34.4636, 0.1406, 0.2342



34.4636, 0.1764, 0.1773

Sweetspot

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



34.4655, 0.5211, 0.3680



73.7931, 0.3525, 0.3423



30.8054, 0.3655, 0.2026



15.1548, 0.3590, 0.3442



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.



34.4655, 0.5211, 0.3680



28.4846, 0.5756, 0.3635



66.1052, 0.4414, 0.4516



18.7001, 0.3288, 0.3348



13.0818, 0.6098, 0.3540



1.4351, 0.5883, 0.3711

Inverse Universe

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



55.2199, 0.2180, 0.2730



49.8191, 0.2079, 0.2597



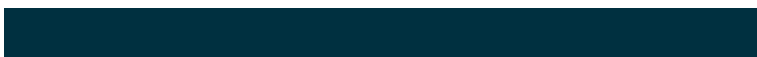
22.4434, 0.1877, 0.1520



19.6934, 0.2980, 0.3231



24.0257, 0.2024, 0.2486



2.5088, 0.2053, 0.2589

Previews

White Background



This preview shows how the Yxy color 34.4636, 0.5211, 0.3680 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 34.4636, 0.5211, 0.3680 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 34.4636, 0.5211, 0.3680

Background



This preview shows how black text looks on a background with the Yxy color 34.4636, 0.5211, 0.3680.



This preview shows how white text looks on a background with the Yxy color 34.4636, 0.5211, 0.3680.

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

34.4636, 0.5211, 0.3680

Protanopia

34.5984, 0.3954, 0.4302

Deuteranopia

34.5206, 0.4434, 0.4335



Tritanopia

34.4263, 0.4736, 0.3226

Trichromacy



Original Color

34.4636, 0.5211, 0.3680

Protanomaly

33.3931, 0.4423, 0.4057

Deuteranomaly

33.9427, 0.4737, 0.4071

Tritanomaly

34.2739, 0.4931, 0.3400

Monochromacy



Original Color

34.4636, 0.5211, 0.3680

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.1586, 0.3862, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4636, 0.5211, 0.3680 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, 117, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 73)  
}
```

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, 117, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 73) }
```

Border

The CSS property to change the border of an element to Yxy 34.4636, 0.5211, 0.3680 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, 117, 73) }
```

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

```
.border{ border-color:rgb(255, 117, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4636, 0.5211, 0.3680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 73) }
```

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

```
.background{ background-color: rgb(255,  
117, 73) }
```

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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