

Converting Colors

$Y_{xy}(34.2761, 0.5376, 0.3821)$

Have a look what the booklet for
Yxy(34.2761, 0.5376, 0.3821)
contains.

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Color

Yxy(34.2216, 0.5378, 0.3819)

Conversions

Conversions Part 1

Format	Color
Hex	FF7533
RGB	255, 117, 51
RGB Percent	100%, 46%, 20%
CMY	0.0001, 0.5411, 0.8001
CMYK	0.00, 0.54, 0.80, 0.00
HSL	19°, 100%, 60%
HSV	19°, 80%, 100%
XYZ	48.1916, 34.2216, 7.1956
YIQ	150.7380, 103.4340, 8.7300

Conversions

Conversions Part 2

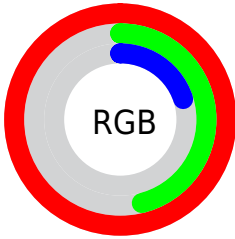
Format	Color
R_{YB}	255, 149, 51
Decimal	16741683
CIE _{Lab}	65.14, 48.97, 59.03
CIE _{LCh}	65, 76.700, 50.324
Yxy	34.2216, 0.5378, 0.3819
Android (android.graphics.Color)	4294931763 (0xFFFF7533)
YUV	150.7380, -49.1708, 91.4378
Hunter-Lab	58.4992, 44.6745, 33.6566

Details

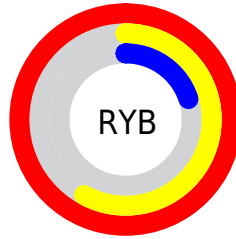
The Yxy color **34.2216, 0.5378, 0.3819** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **44.2868, 0.2054, 0.2420**, and the grayscale version is **31.0137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7244, 0.4506, 0.3991**, and **14.6314, 0.5891, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **30.4010, 0.5691, 0.3765**, and if you desaturate by 10%, it is **38.9091, 0.5023, 0.3823**.

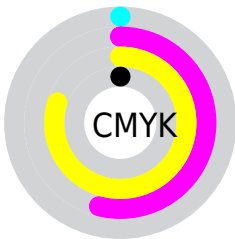
Distribution



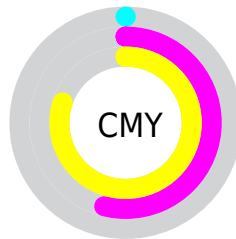
- Red (100%)
- Green (46%)
- Blue (20%)



- Red (100%)
- Yellow (58%)
- Blue (20%)



- Cyan (0%)
- Magenta (54%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2216, 0.5378, 0.3819 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 34.2216, 0.5378, 0.3819 by changing the saturation by 10% instead.


 34.2216, 0.5378,
0.3819

 34.2216, 0.5378,
0.3819

321.1190, 0.4253,
0.3690


 23.0639, 0.5627,
0.3796


 66.2781, 0.4987,
0.3812


 14.6407, 0.5919,
0.3735


 87.9457, 0.4833,
0.3797


 8.5676, 0.6315,
0.3639


 113.8854, 0.4701,
0.3780

 4.4602, 0.6639,
0.3361

 144.4816, 0.4587,
0.3761

 1.9342, 0.7073,
0.2927

 180.1187, 0.4487,
0.3742

 0.5688, 0.7861,
0.2139

 221.1810, 0.4399,

 0.0000, 1.0000,

0.3724

0.0000

268.0530, 0.4322,
0.3707

■ 0.0000, 0.0000,
0.0000

■ 34.2216, 0.5378,
0.3819

■ 34.2216, 0.5378,
0.3819

■ 30.4010, 0.5691,
0.3765

■ 38.9091, 0.5023,
0.3823


■ 27.3731, 0.5936,
0.3669

■ 44.5132, 0.4659,
0.3786

■ 51.0854, 0.4314,
0.3721

■ 58.6715, 0.4002,
0.3638

■ 67.3143, 0.3729,
0.3549

 77.0538, 0.3494,
0.3459

 87.9278, 0.3295,
0.3372

99.9724, 0.3127,
0.3290

99.9950, 0.3127,
0.3290

Harmonies

Analogous

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



34.2216, 0.5136, 0.3083



34.2216, 0.5378, 0.3819



34.2216, 0.4893, 0.4619

Triad

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



34.2216, 0.5378, 0.3819



34.2216, 0.2014, 0.4401



34.2216, 0.1986, 0.1677

Complementary

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



34.2216, 0.5378, 0.3819



44.2868, 0.2054, 0.2420

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.



34.2216, 0.1457, 0.1715



34.2216, 0.5378, 0.3819



34.2216, 0.1438, 0.3018

Square

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



34.2216, 0.5378, 0.3819



34.2216, 0.2959, 0.5421



34.2216, 0.1277, 0.2112



34.2216, 0.2920, 0.1924

Rectangle

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



34.2216, 0.5378, 0.3819



34.2216, 0.4324, 0.5130



34.2216, 0.1277, 0.2112



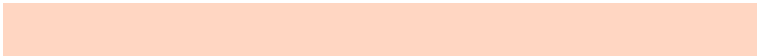
34.2216, 0.1767, 0.1656

Sweetspot

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



34.2235, 0.5378, 0.3819



73.0442, 0.3584, 0.3495



27.3557, 0.3963, 0.2095



14.8982, 0.3668, 0.3527



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.



34.2235, 0.5378, 0.3819



28.5035, 0.5844, 0.3710



71.4171, 0.4406, 0.4711



18.9472, 0.3286, 0.3368



14.5453, 0.5906, 0.3692



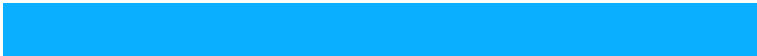
1.6048, 0.5686, 0.3867

Inverse Universe

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



44.2868, 0.2054, 0.2420



38.2356, 0.1955, 0.2222



14.9644, 0.1709, 0.1115



19.4317, 0.2980, 0.3211



19.5602, 0.1943, 0.2193



2.1031, 0.1982, 0.2333

Previews

White Background



This preview shows how the Yxy color 34.2216, 0.5378, 0.3819 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 34.2216, 0.5378, 0.3819 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 34.2216, 0.5378, 0.3819

Background



This preview shows how black text looks on a background with the Yxy color 34.2216, 0.5378, 0.3819.



This preview shows how white text looks on a background with the Yxy color 34.2216, 0.5378, 0.3819.

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

34.2216, 0.5378, 0.3819

Protanopia

34.4912, 0.4162, 0.4571

Deuteranopia

34.1080, 0.4602, 0.4505



Tritanopia

34.1803, 0.4754, 0.3226

Trichromacy



Original Color

34.2216, 0.5378, 0.3819

Protanomaly

33.2311, 0.4624, 0.4279

Deuteranomaly

33.4189, 0.4908, 0.4232

Tritanomaly

34.1028, 0.5031, 0.3481

Monochromacy



Original Color

34.2216, 0.5378, 0.3819

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.5219, 0.3957, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2216, 0.5378, 0.3819 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 51) }
```

Border

The CSS property to change the border of an element to Yxy 34.2216, 0.5378, 0.3819 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, 51) }
```

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

```
.border{ border-color:rgb(255, 117, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2216, 0.5378, 0.3819 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
117, 51) }
```

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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