

Converting Colors

$Y_{xy}(36.5649, 0.5256, 0.3916)$

Have a look what the booklet for
Yxy(36.5649, 0.5256, 0.3916)
contains.

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Color

Yxy(36.4975, 0.5261, 0.3912)

Conversions

Conversions Part 1

Format	Color
Hex	FE7F34
RGB	254, 127, 52
RGB Percent	100%, 50%, 20%
CMY	0.0039, 0.5019, 0.7958
CMYK	0.00, 0.50, 0.79, 0.00
HSL	22°, 99%, 60%
HSV	22°, 79%, 100%
XYZ	49.0832, 36.4975, 7.7156
YIQ	156.4230, 99.7670, 3.5990

Conversions

Conversions Part 2

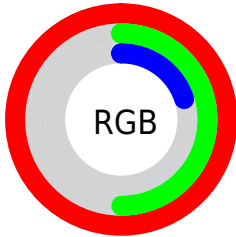
Format	Color
R_{YB}	254, 171, 52
Decimal	16678708
CIE _{Lab}	66.90, 43.82, 60.17
CIE _{LCh}	67, 74.435, 53.930
Yxy	36.4975, 0.5261, 0.3912
Android (android.graphics.Color)	4294868788 (0xFFFE7F34)
YUV	156.4230, -51.4805, 85.5750
Hunter-Lab	60.4132, 39.3008, 34.7171

Details

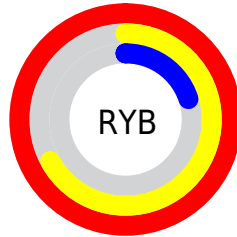
The Yxy color **36.4975, 0.5261, 0.3912** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **40.1558, 0.2022, 0.2291**, and the grayscale version is **33.6511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7154, 0.4419, 0.4071**, and **15.9793, 0.5715, 0.3845** is the 20% darker color. If you saturate the color by 10%, you get **32.5240, 0.5559, 0.3867**, and if you desaturate by 10%, it is **41.2522, 0.4927, 0.3905**.

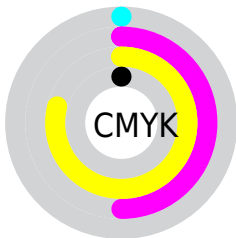
Distribution



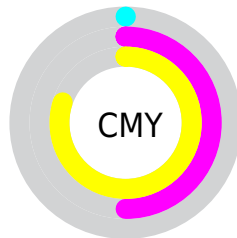
- Red (100%)
- Green (50%)
- Blue (20%)



- Red (100%)
- Yellow (67%)
- Blue (20%)



- Cyan (0%)
- Magenta (50%)
- Yellow (79%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4975, 0.5261, 0.3912 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 36.4975, 0.5261, 0.3912 by changing the saturation by 10% instead.


 36.4975, 0.5261,
0.3912


 36.4975, 0.5261,
0.3912


331.1298, 0.4207,
0.3729


 24.8187, 0.5492,
0.3906


 69.7993, 0.4897,
0.3883


 15.9420, 0.5761,
0.3867


 92.1910, 0.4753,
0.3861


 9.4831, 0.6110,
0.3794


 118.9224, 0.4629,
0.3837

 5.0576, 0.6427,
0.3573

 150.3780, 0.4522,
0.3813

 2.2811, 0.6807,
0.3193

 186.9422, 0.4428,
0.3790

 0.7637, 0.7424,
0.2576

 228.9993, 0.4345,

 0.0000, 1.0000,

0.3769

0.0000

276.9337, 0.4272,
0.3748

■ 0.0000, 0.0000,
0.0000

■ 36.4975, 0.5261,
0.3912

■ 36.4975, 0.5261,
0.3912

■ 32.5240, 0.5559,
0.3867

■ 41.2522, 0.4927,
0.3905

■ 29.2680, 0.5799,
0.3774

■ 46.8282, 0.4587,
0.3856

■ 29.1209, 0.5810,
0.3769

■ 53.2689, 0.4262,
0.3778

■ 60.6127, 0.3967,
0.3683

■ 68.8951, 0.3705,
0.3580

78.1499, 0.3479,
0.3478

88.4088, 0.3285,
0.3379

99.6841, 0.3121,
0.3288

99.8104, 0.3121,
0.3290

Harmonies

Analogous

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



36.4975, 0.5110, 0.3187



36.4975, 0.5261, 0.3912



36.4975, 0.4749, 0.4680

Triad

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



36.4975, 0.5261, 0.3912



36.4975, 0.1980, 0.4180



36.4975, 0.2122, 0.1750

Complementary

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



36.4975, 0.5261, 0.3912



40.1558, 0.2022, 0.2291

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.



36.4975, 0.1561, 0.1755



36.4975, 0.5261, 0.3912



36.4975, 0.1466, 0.2908

Square

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



36.4975, 0.5261, 0.3912



36.4975, 0.2863, 0.5237



36.4975, 0.1347, 0.2098



36.4975, 0.3066, 0.2022

Rectangle

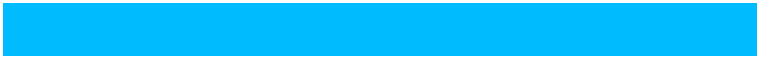
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.4975, 0.5261, 0.3912



36.4975, 0.4185, 0.5138



36.4975, 0.1347, 0.2098



36.4975, 0.1893, 0.1719

Sweetspot

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



36.4995, 0.5261, 0.3912



74.5196, 0.3577, 0.3524



26.8271, 0.4098, 0.2184



15.2478, 0.3659, 0.3560



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.



36.4995, 0.5261, 0.3912



30.9183, 0.5698, 0.3819



76.2982, 0.4321, 0.4780



19.0911, 0.3285, 0.3379



15.6113, 0.5781, 0.3792



1.7208, 0.5567, 0.3962

Inverse Universe

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



40.1558, 0.2022, 0.2291



34.2522, 0.1915, 0.2070



13.4799, 0.1690, 0.1031



19.2819, 0.2979, 0.3200



17.2732, 0.1895, 0.2023



1.8912, 0.1940, 0.2184

Previews

White Background



This preview shows how the Yxy color 36.4975, 0.5261, 0.3912 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 36.4975, 0.5261, 0.3912 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 36.4975, 0.5261, 0.3912

Background



This preview shows how black text looks on a background with the Yxy color 36.4975, 0.5261, 0.3912.



This preview shows how white text looks on a background with the Yxy color 36.4975, 0.5261, 0.3912.

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

36.4975, 0.5261, 0.3912

Protanopia

36.4873, 0.4179, 0.4584

Deuteranopia

36.5890, 0.4596, 0.4507



Tritanopia

36.5197, 0.4580, 0.3214

Trichromacy



Original Color

36.4975, 0.5261, 0.3912

Protanomaly

35.5281, 0.4591, 0.4328

Deuteranomaly

36.1360, 0.4853, 0.4272

Tritanomaly

36.3655, 0.4886, 0.3507

Monochromacy



Original Color

36.4975, 0.5261, 0.3912

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.7653, 0.3925, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4975, 0.5261, 0.3912 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(254, 127, 52)` looks like.

```
.text, #text, p{  
    color:rgb(254, 127, 52)  
}
```

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(254, 127, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 127, 52) }
```

Border

The CSS property to change the border of an element to Yxy 36.4975, 0.5261, 0.3912 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(254, 127, 52) }
```

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

```
.border{ border-color:rgb(254, 127, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 127, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 127, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 127, 52);  
box-shadow:4px 4px 4px 4px rgb(254, 127,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4975, 0.5261, 0.3912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 127, 52) }
```

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

```
.background{ background-color: rgb(254,  
127, 52) }
```

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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