

Converting Colors

$Y_{xy}(36.5295, 0.5213, 0.3841)$

Have a look what the booklet for
Yxy(36.5295, 0.5213, 0.3841)
contains.

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Color

Yxy(36.5295, 0.5213, 0.3841)

Conversions

Conversions Part 1

Format	Color
Hex	FF7E3E
RGB	255, 126, 62
RGB Percent	100%, 49%, 24%
CMY	0.0000, 0.5059, 0.7568
CMYK	0.00, 0.51, 0.76, 0.00
HSL	20°, 100%, 62%
HSV	20°, 76%, 100%
XYZ	49.5778, 36.5295, 8.9969
YIQ	157.2750, 97.4280, 7.4440

Conversions

Conversions Part 2

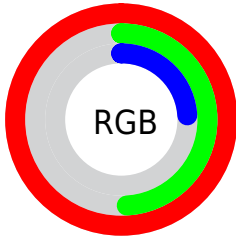
Format	Color
R _Y B	255, 158, 62
Decimal	16743998
CIE Lab	66.92, 45.06, 55.86
CIE LCh	67, 71.770, 51.106
Yxy	36.5295, 0.5213, 0.3841
Android (android.graphics.Color)	4294934078 (0xFFFF7E3E)
YUV	157.2750, -46.9706, 85.7048
Hunter-Lab	60.4396, 40.6517, 33.4820

Details

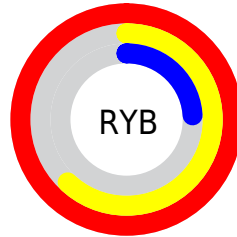
The Yxy color **36.5295, 0.5213, 0.3841** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **45.5169, 0.2084, 0.2453**, and the grayscale version is **34.0269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5000, 0.4358, 0.3982**, and **15.9847, 0.5734, 0.3795** is the 20% darker color. If you saturate the color by 10%, you get **32.3153, 0.5545, 0.3810**, and if you desaturate by 10%, it is **41.6120, 0.4854, 0.3825**.

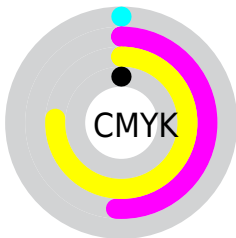
Distribution



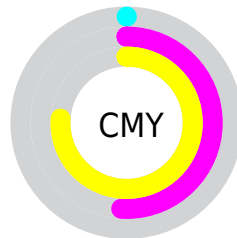
- Red (100%)
- Green (49%)
- Blue (24%)



- Red (100%)
- Yellow (62%)
- Blue (24%)



- Cyan (0%)
- Magenta (51%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5295, 0.5213, 0.3841 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 36.5295, 0.5213, 0.3841 by changing the saturation by 10% instead.


 36.5295, 0.5213,
0.3841


 36.5295, 0.5213,
0.3841


331.2690, 0.4171,
0.3679


 24.8434, 0.5448,
0.3835


 69.8486, 0.4848,
0.3816


 15.9604, 0.5728,
0.3800


 92.2503, 0.4706,
0.3796

 9.4962, 0.6069,
0.3718


 118.9928, 0.4583,
0.3775

 5.0662, 0.6464,
0.3536

 150.4603, 0.4478,
0.3754

 2.2862, 0.6849,
0.3151

 187.0373, 0.4386,
0.3734

 0.7664, 0.7471,
0.2529

229.1081, 0.4305,

 0.0000, 1.0000,

0.3715

0.0000

277.0572, 0.4234,
0.3696

■ 0.0000, 0.0000,
0.0000

■ 36.5295, 0.5213,
0.3841

■ 36.5295, 0.5213,
0.3841

■ 32.3153, 0.5545,
0.3810

■ 41.6120, 0.4854,
0.3825

■ 28.9203, 0.5817,
0.3729

■ 47.6225, 0.4499,
0.3772

■ 27.6837, 0.5916,
0.3684

■ 54.6049, 0.4170,
0.3696

■ 62.6024, 0.3876,
0.3607

■ 71.6553, 0.3622,
0.3515

 81.8017, 0.3404,
0.3424

 93.0776, 0.3219,
0.3337

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.



36.5295, 0.4988, 0.3135



36.5295, 0.5213, 0.3841



36.5295, 0.4776, 0.4585

Triad

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



36.5295, 0.5213, 0.3841



36.5295, 0.2089, 0.4266



36.5295, 0.2086, 0.1780

Complementary

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



36.5295, 0.5213, 0.3841



45.5169, 0.2084, 0.2453

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.



36.5295, 0.1569, 0.1815



36.5295, 0.5213, 0.3841



36.5295, 0.1545, 0.3028

Square

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



36.5295, 0.5213, 0.3841



36.5295, 0.2972, 0.5207



36.5295, 0.1390, 0.2192



36.5295, 0.2971, 0.2022

Rectangle

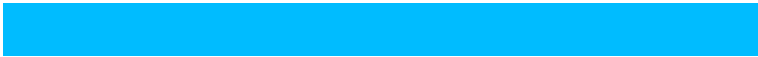
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.5295, 0.5213, 0.3841



36.5295, 0.4250, 0.5034



36.5295, 0.1390, 0.2192



36.5295, 0.1873, 0.1759

Sweetspot

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



36.5266, 0.5213, 0.3841



74.2670, 0.3560, 0.3490



28.5966, 0.3903, 0.2118



15.1469, 0.3644, 0.3524



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.



36.5266, 0.5213, 0.3841



30.4120, 0.5699, 0.3773



72.5946, 0.4356, 0.4677



18.9707, 0.3286, 0.3369



14.7082, 0.5886, 0.3708



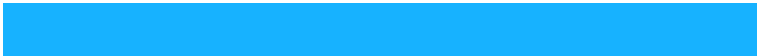
1.6229, 0.5667, 0.3882

Inverse Universe

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



45.5169, 0.2084, 0.2453



39.2723, 0.1974, 0.2257



16.8669, 0.1767, 0.1224



19.4071, 0.2980, 0.3209



19.1720, 0.1935, 0.2165



2.0673, 0.1975, 0.2309

Previews

White Background



This preview shows how the Yxy color 36.5295, 0.5213, 0.3841 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 36.5295, 0.5213, 0.3841 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 36.5295, 0.5213, 0.3841

Background



This preview shows how black text looks on a background with the Yxy color 36.5295, 0.5213, 0.3841.



This preview shows how white text looks on a background with the Yxy color 36.5295, 0.5213, 0.3841.

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

36.5295, 0.5213, 0.3841

Protanopia

36.4992, 0.4095, 0.4481

Deuteranopia

36.5464, 0.4525, 0.4434



Tritanopia

36.5197, 0.4580, 0.3214

Trichromacy



Original Color

36.5295, 0.5213, 0.3841

Protanomaly

35.6523, 0.4515, 0.4237

Deuteranomaly

35.9299, 0.4800, 0.4192

Tritanomaly

36.4458, 0.4843, 0.3470

Monochromacy



Original Color

36.5295, 0.5213, 0.3841

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.3004, 0.3888, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5295, 0.5213, 0.3841 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, 126, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 62)  
}
```

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, 126, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 62) }
```

Border

The CSS property to change the border of an element to Yxy 36.5295, 0.5213, 0.3841 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, 126, 62) }
```

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

```
.border{ border-color:rgb(255, 126, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
62) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 36.5295, 0.5213, 0.3841$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 62) }
```

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

```
.background{ background-color: rgb(255,  
126, 62) }
```

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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