

Converting Colors

$Y_{xy}(30.6019, 0.5450, 0.3575)$

Have a look what the booklet for
Yxy(30.6019, 0.5450, 0.3575)
contains.

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Color

Yxy(30.5538, 0.5455, 0.3575)

Conversions

Conversions Part 1

Format	Color
Hex	FF6340
RGB	255, 99, 64
RGB Percent	100%, 39%, 25%
CMY	0.0001, 0.6116, 0.7490
CMYK	0.00, 0.61, 0.75, 0.00
HSL	11°, 100%, 63%
HSV	11°, 75%, 100%
XYZ	46.6213, 30.5538, 8.2901
YIQ	141.6540, 104.2110, 22.1870

Conversions

Conversions Part 2

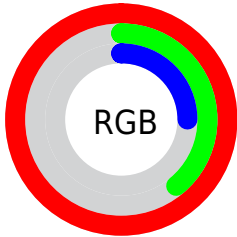
Format	Color
RYB	255, 107, 64
Decimal	16737088
CIELab	62.13, 57.56, 49.94
CIElCh	62, 76.203, 40.945
Yxy	30.5538, 0.5455, 0.3575
Android (android.graphics.Color)	4294927168 (0xFFFF6340)
YUV	141.6540, -38.2834, 99.4044
Hunter-Lab	55.2755, 53.8209, 29.8006

Details

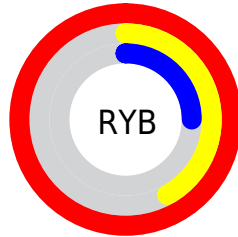
The Yxy color **30.5538, 0.5455, 0.3575** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **59.4651, 0.2190, 0.2847**, and the grayscale version is **27.0338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9176, 0.4525, 0.3711**, and **12.6314, 0.6083, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **26.8778, 0.5838, 0.3540**, and if you desaturate by 10%, it is **35.3827, 0.5031, 0.3577**.

Distribution



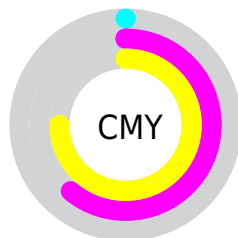
- Red (100%)
- Green (39%)
- Blue (25%)



- Red (100%)
- Yellow (42%)
- Blue (25%)



- Cyan (0%)
- Magenta (61%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5538, 0.5455, 0.3575 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 30.5538, 0.5455, 0.3575 by changing the saturation by 10% instead.


 30.5538, 0.5455,
0.3575


 30.5538, 0.5455,
0.3575

304.4774, 0.4250,
0.3555

 20.2593, 0.5740,
0.3530


 60.5369, 0.5022,
0.3604


 12.5837, 0.6084,
0.3442


 80.9943, 0.4857,
0.3603


 7.1425, 0.6529,
0.3295


 105.6081, 0.4716,
0.3599

 3.5514, 0.7006,
0.2994

 134.7627, 0.4596,
0.3591

 1.4259, 0.7530,
0.2470

 168.8426, 0.4492,
0.3583

 0.2357, 0.8896,
0.1104

 208.2320, 0.4401,

 0.0000, 1.0000,

0.3574

0.0000

253.3155, 0.4321,
0.3564

0.0000, 0.0000,
0.0000

30.5538, 0.5455,
0.3575

30.5538, 0.5455,
0.3575

26.8778, 0.5838,
0.3540

35.3827, 0.5031,
0.3577

24.2499, 0.6126,
0.3472


41.4466, 0.4613,
0.3554


23.2708, 0.6232,
0.3434

48.8259, 0.4233,
0.3513

57.5927, 0.3904,
0.3464

67.8136, 0.3626,
0.3412

 79.5510, 0.3397,
0.3361

 92.8636, 0.3207,
0.3312

99.9958, 0.3127,
0.3290

Harmonies

Analogous

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



30.5538, 0.4944, 0.2849



30.5538, 0.5455, 0.3575



30.5538, 0.5147, 0.4373

Triad

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



30.5538, 0.5455, 0.3575



30.5538, 0.2250, 0.4874



30.5538, 0.1746, 0.1619

Complementary

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



30.5538, 0.5455, 0.3575



59.4651, 0.2190, 0.2847

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.



30.5538, 0.1327, 0.1757



30.5538, 0.5455, 0.3575



30.5538, 0.1529, 0.3418

Square

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



30.5538, 0.5455, 0.3575



30.5538, 0.3277, 0.5581



30.5538, 0.1246, 0.2301



30.5538, 0.2568, 0.1784

Rectangle

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



30.5538, 0.5455, 0.3575



30.5538, 0.4632, 0.4928



30.5538, 0.1246, 0.2301



30.5538, 0.1565, 0.1629

Sweetspot

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



30.5555, 0.5455, 0.3575



71.0737, 0.3555, 0.3397



30.0877, 0.3574, 0.1921



14.5622, 0.3622, 0.3411



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.



30.5555, 0.5455, 0.3575



25.4185, 0.5999, 0.3509



60.4326, 0.4551, 0.4468



18.5259, 0.3290, 0.3334



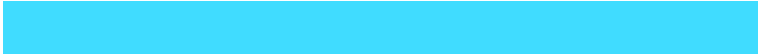
12.3158, 0.6209, 0.3452



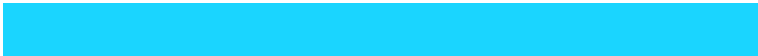
1.3372, 0.6010, 0.3610

Inverse Universe

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



59.4651, 0.2190, 0.2847



54.9710, 0.2110, 0.2746



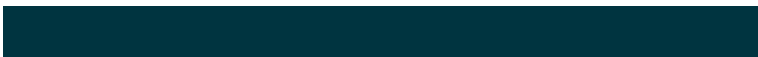
22.8429, 0.1855, 0.1545



19.8813, 0.2980, 0.3245



27.6054, 0.2081, 0.2691



2.8283, 0.2102, 0.2767

Previews

White Background



This preview shows how the Yxy color 30.5538, 0.5455, 0.3575 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 30.5538, 0.5455, 0.3575 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 30.5538, 0.5455, 0.3575

Background



This preview shows how black text looks on a background with the Yxy color 30.5538, 0.5455, 0.3575.



This preview shows how white text looks on a background with the Yxy color 30.5538, 0.5455, 0.3575.

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

30.5538, 0.5455, 0.3575

Protanopia

30.8194, 0.3971, 0.4334

Deuteranopia

30.6026, 0.4488, 0.4398



Tritanopia

30.5653, 0.5080, 0.3251

Trichromacy



Original Color

30.5538, 0.5455, 0.3575

Protanomaly

29.0027, 0.4544, 0.4021

Deuteranomaly

29.4813, 0.4876, 0.4049

Tritanomaly

30.5140, 0.5228, 0.3375

Monochromacy



Original Color

30.5538, 0.5455, 0.3575

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.2039, 0.3970, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5538, 0.5455, 0.3575 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, 99, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 64)  
}
```

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, 99, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 64) }
```

Border

The CSS property to change the border of an element to Yxy 30.5538, 0.5455, 0.3575 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, 99, 64) }
```

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

```
.border{ border-color:rgb(255, 99, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5538, 0.5455, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 64) }
```

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

```
.background{ background-color: rgb(255, 99,  
64) }
```

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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