

Converting Colors

$Y_{xy}(40.9257, 0.5665, 0.3479)$

Have a look what the booklet for
Yxy(40.9257, 0.5665, 0.3479)
contains.

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Color

Yxy(30.8040, 0.5401, 0.3550)

Conversions

Conversions Part 1

Format	Color
Hex	FF6445
RGB	255, 100, 69
RGB Percent	100%, 39%, 27%
CMY	0.0001, 0.6077, 0.7295
CMYK	0.00, 0.61, 0.73, 0.00
HSL	10°, 100%, 64%
HSV	10°, 73%, 100%
XYZ	46.8655, 30.8040, 9.1024
YIQ	142.8110, 102.3310, 23.2190

Conversions

Conversions Part 2

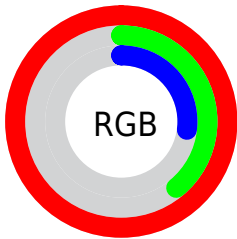
Format	Color
R_{YB}	255, 106, 69
Decimal	16737349
CIE _{Lab}	62.34, 57.33, 47.62
CIE _{LCh}	62, 74.529, 39.715
Yxy	30.8040, 0.5401, 0.3550
Android (android.graphics.Color)	4294927429 (0xFFFF6445)
YUV	142.8110, -36.3888, 98.3898
Hunter-Lab	55.5014, 53.5984, 29.1272

Details

The Yxy color **30.8040, 0.5401, 0.3550** 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 **61.7561, 0.2214, 0.2900**, and the grayscale version is **27.5096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3688, 0.4472, 0.3673**, and **12.7202, 0.6032, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **26.9957, 0.5800, 0.3522**, and if you desaturate by 10%, it is **35.8138, 0.4968, 0.3548**.

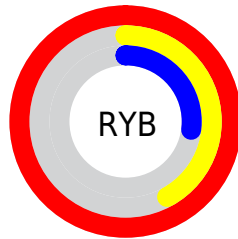
Distribution



Red (100%)

Green (39%)

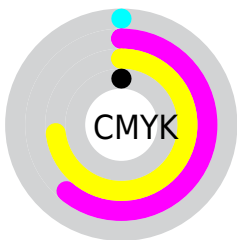
Blue (27%)



Red (100%)

Yellow (42%)

Blue (27%)

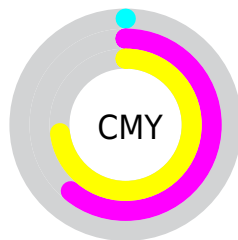


Cyan (0%)

Magenta (61%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8040, 0.5401, 0.3550 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 30.8040, 0.5401, 0.3550 by changing the saturation by 10% instead.

 30.8040, 0.5401,
0.3550


 30.8040, 0.5401,
0.3550


305.6343, 0.4219,
0.3534


 20.4496, 0.5684,
0.3508


 60.9314, 0.4974,
0.3577

 12.7223, 0.6029,
0.3426


 81.4731, 0.4812,
0.3577

 7.2376, 0.6463,
0.3279

 106.1795, 0.4674,
0.3573

 3.6111, 0.6990,
0.3010

 135.4349, 0.4557,
0.3566

 1.4585, 0.7509,
0.2491

 169.6237, 0.4455,
0.3559

 0.2593, 0.8815,
0.1185

209.1303, 0.4366,

 0.0000, 1.0000,

0.3550

0.0000

254.3390, 0.4288,
0.3542

0.0000, 0.0000,
0.0000

30.8040, 0.5401,
0.3550

30.8040, 0.5401,
0.3550

26.9957, 0.5800,
0.3522

35.8138, 0.4968,
0.3548

24.2805, 0.6109,
0.3463

42.1107, 0.4550,
0.3524


22.9525, 0.6258,
0.3413

49.7782, 0.4173,
0.3485

58.8915, 0.3850,
0.3439

69.5199, 0.3580,
0.3392

 81.7286, 0.3357,
0.3346

 95.5785, 0.3174,
0.3302

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



30.8040, 0.4863, 0.2835



30.8040, 0.5401, 0.3550



30.8040, 0.5138, 0.4333

Triad

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



30.8040, 0.5401, 0.3550



30.8040, 0.2312, 0.4878



30.8040, 0.1748, 0.1648

Complementary

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



30.8040, 0.5401, 0.3550



61.7561, 0.2214, 0.2900

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.



30.8040, 0.1348, 0.1801



30.8040, 0.5401, 0.3550



30.8040, 0.1582, 0.3475

Square

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



30.8040, 0.5401, 0.3550



30.8040, 0.3328, 0.5525



30.8040, 0.1283, 0.2360



30.8040, 0.2540, 0.1799

Rectangle

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



30.8040, 0.5401, 0.3550



30.8040, 0.4648, 0.4874



30.8040, 0.1283, 0.2360



30.8040, 0.1575, 0.1662

Sweetspot

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



30.8058, 0.5401, 0.3550



70.6201, 0.3557, 0.3388



30.8906, 0.3525, 0.1917



14.4571, 0.3624, 0.3400



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.



30.8058, 0.5401, 0.3550



25.4985, 0.5971, 0.3496



59.8165, 0.4542, 0.4427



18.4769, 0.3290, 0.3330



12.1379, 0.6236, 0.3431



1.3128, 0.6043, 0.3584

Inverse Universe

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



61.7561, 0.2214, 0.2900



57.4089, 0.2131, 0.2809



24.7103, 0.1893, 0.1635



19.9348, 0.2980, 0.3249



28.6800, 0.2097, 0.2748



2.9233, 0.2116, 0.2816

Previews

White Background



This preview shows how the Yxy color 30.8040, 0.5401, 0.3550 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 30.8040, 0.5401, 0.3550 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 30.8040, 0.5401, 0.3550

Background



This preview shows how black text looks on a background with the Yxy color 30.8040, 0.5401, 0.3550.



This preview shows how white text looks on a background with the Yxy color 30.8040, 0.5401, 0.3550.

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

30.8040, 0.5401, 0.3550

Protanopia

30.8961, 0.3928, 0.4268

Deuteranopia

30.9537, 0.4443, 0.4365



Tritanopia

30.7887, 0.5049, 0.3241

Trichromacy



Original Color

30.8040, 0.5401, 0.3550

Protanomaly

29.0728, 0.4496, 0.3966

Deuteranomaly

29.7943, 0.4825, 0.4019

Tritanomaly

30.7507, 0.5186, 0.3358

Monochromacy



Original Color

30.8040, 0.5401, 0.3550

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.6300, 0.3952, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8040, 0.5401, 0.3550 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, 100, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 69)  
}
```

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, 100, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 69) }
```

Border

The CSS property to change the border of an element to Yxy 30.8040, 0.5401, 0.3550 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, 100, 69) }
```

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

```
.border{ border-color:rgb(255, 100, 69) }
```

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

Here you see how a box with a 4 pixel rgb(255, 100, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8040, 0.5401, 0.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 69) }
```

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

```
.background{ background-color: rgb(255,  
100, 69) }
```

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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