

Converting Colors

$Y_{xy}(31.8512, 0.5487, 0.3718)$

Have a look what the booklet for
Yxy(31.8512, 0.5487, 0.3718)
contains.

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Color

Yxy(31.8071, 0.5490, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	FF6A33
RGB	255, 106, 51
RGB Percent	100%, 42%, 20%
CMY	0.0000, 0.5843, 0.7999
CMYK	0.00, 0.58, 0.80, 0.00
HSL	16°, 100%, 60%
HSV	16°, 80%, 100%
XYZ	46.9917, 31.8071, 6.7962
YIQ	144.2810, 106.4590, 14.4830

Conversions

Conversions Part 2

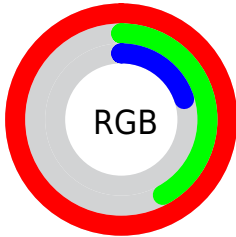
Format	Color
R_{YB}	255, 126, 51
Decimal	16738867
CIE Lab	63.18, 54.06, 57.19
CIE LCh	63, 78.693, 46.611
Yxy	31.8071, 0.5490, 0.3716
Android (android.graphics.Color)	4294928947 (0xFFFF6A33)
YUV	144.2810, -45.9875, 97.1006
Hunter-Lab	56.3978, 50.0333, 32.3337

Details

The Yxy color **31.8071, 0.5490, 0.3716** 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 **49.2349, 0.2095, 0.2574**, and the grayscale version is **28.1685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7090, 0.4588, 0.3882**, and **13.2284, 0.6051, 0.3577** is the 20% darker color. If you saturate the color by 10%, you get **28.2110, 0.5818, 0.3659**, and if you desaturate by 10%, it is **36.3636, 0.5111, 0.3728**.

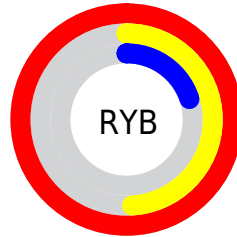
Distribution



Red (100%)

Green (42%)

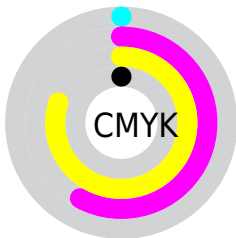
Blue (20%)



Red (100%)

Yellow (49%)

Blue (20%)

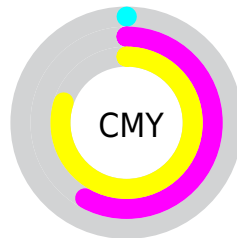


Cyan (0%)

Magenta (58%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (58%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8071, 0.5490, 0.3716 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 31.8071, 0.5490, 0.3716 by changing the saturation by 10% instead.


 31.8071, 0.5490,
0.3716


 31.8071, 0.5490,
0.3716

310.2396, 0.4293,
0.3645

 21.2142, 0.5759,
0.3676


 62.5086, 0.5070,
0.3732


 13.2807, 0.6076,
0.3592


 83.3859, 0.4906,
0.3725

 7.6221, 0.6526,
0.3473


 108.4602, 0.4766,
0.3714

 3.8541, 0.6862,
0.3138

 138.1158, 0.4645,
0.3701

 1.5923, 0.7353,
0.2647

 172.7372, 0.4539,
0.3687

 0.3524, 0.8466,
0.1534

 212.7087, 0.4447,

 0.0000, 1.0000,

0.3672

0.0000

258.4147, 0.4365,
0.3658

0.0000, 0.0000,
0.0000

31.8071, 0.5490,
0.3716

31.8071, 0.5490,
0.3716

28.2110, 0.5818,
0.3659

36.3636, 0.5111,
0.3728

25.4864, 0.6066,
0.3566

41.9423, 0.4722,
0.3702

25.4850, 0.6066,
0.3566

48.6056, 0.4355,
0.3649

56.4089, 0.4026,
0.3581

65.4038, 0.3741,
0.3506

■ 75.6385, 0.3500,
0.3431

■ 87.1586, 0.3297,
0.3358

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



31.8071, 0.5142, 0.2972



31.8071, 0.5490, 0.3716



31.8071, 0.5042, 0.4539

Triad

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



31.8071, 0.5490, 0.3716



31.8071, 0.2061, 0.4647



31.8071, 0.1849, 0.1607

Complementary

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



31.8071, 0.5490, 0.3716



49.2349, 0.2095, 0.2574

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.



31.8071, 0.1356, 0.1682



31.8071, 0.5490, 0.3716



31.8071, 0.1418, 0.3154

Square

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



31.8071, 0.5490, 0.3716



31.8071, 0.3066, 0.5592



31.8071, 0.1211, 0.2138



31.8071, 0.2763, 0.1827

Rectangle

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



31.8071, 0.5490, 0.3716



31.8071, 0.4469, 0.5097



31.8071, 0.1211, 0.2138



31.8071, 0.1642, 0.1597

Sweetspot

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



31.8089, 0.5490, 0.3716



71.3873, 0.3591, 0.3461



27.8271, 0.3825, 0.2011



14.5070, 0.3679, 0.3488



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.



31.8089, 0.5490, 0.3716



26.4786, 0.5975, 0.3604



66.3198, 0.4489, 0.4634



18.7836, 0.3288, 0.3355



13.5258, 0.6037, 0.3588



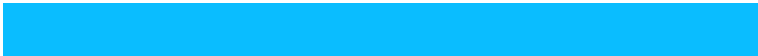
1.4883, 0.5818, 0.3762

Inverse Universe

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



49.2349, 0.2095, 0.2574



43.6819, 0.2008, 0.2411



16.7744, 0.1738, 0.1223



19.6043, 0.2980, 0.3224



22.4380, 0.1997, 0.2388



2.3656, 0.2029, 0.2503

Previews

White Background



This preview shows how the Yxy color 31.8071, 0.5490, 0.3716 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 31.8071, 0.5490, 0.3716 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 31.8071, 0.5490, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 31.8071, 0.5490, 0.3716.



This preview shows how white text looks on a background with the Yxy color 31.8071, 0.5490, 0.3716.

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

31.8071, 0.5490, 0.3716

Protanopia

32.1393, 0.4128, 0.4531

Deuteranopia

31.7282, 0.4609, 0.4504



Tritanopia

31.8455, 0.4953, 0.3239

Trichromacy



Original Color

31.8071, 0.5490, 0.3716

Protanomaly

30.7636, 0.4662, 0.4206

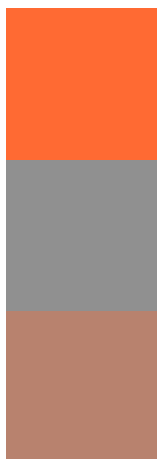
Deuteranomaly

31.0059, 0.4969, 0.4178

Tritanomaly

31.6486, 0.5193, 0.3438

Monochromacy



Original Color

31.8071, 0.5490, 0.3716

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.2814, 0.4008, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8071, 0.5490, 0.3716 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, 106, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 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, 106, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 51) }
```

Border

The CSS property to change the border of an element to Yxy 31.8071, 0.5490, 0.3716 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, 106, 51) }
```

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

```
.border{ border-color:rgb(255, 106, 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, 106, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8071, 0.5490, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 51) }
```

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

```
.background{ background-color: rgb(255,  
106, 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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