

Converting Colors

$Y_{xy}(31.5183, 0.5589, 0.3779)$

Have a look what the booklet for
Yxy(31.5183, 0.5589, 0.3779)
contains.

Yxy(31.4905, 0.5589, 0.3776)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.4905, 0.5589, 0.3776)

Conversions

Conversions Part 1

Format	Color
Hex	FF6924
RGB	255, 105, 36
RGB Percent	100%, 41%, 14%
CMY	0.0000, 0.5882, 0.8586
CMYK	0.00, 0.59, 0.86, 0.00
HSL	19°, 100%, 57%
HSV	19°, 86%, 100%
XYZ	46.6103, 31.4905, 5.2957
YIQ	141.9840, 111.5490, 10.3410

Conversions

Conversions Part 2

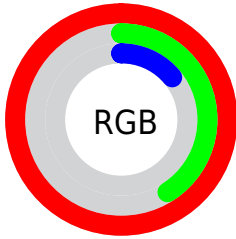
Format	Color
R _{YB}	255, 137, 36
Decimal	16738596
CIE Lab	62.92, 54.12, 63.06
CIE LCh	63, 83.103, 49.364
Yxy	31.4905, 0.5589, 0.3776
Android (android.graphics.Color)	4294928676 (0xFFFF6924)
YUV	141.9840, -52.2501, 99.1150
Hunter-Lab	56.1164, 50.0584, 33.6863

Details

The Yxy color **31.4905, 0.5589, 0.3776** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **42.7361, 0.2019, 0.2374**, and the grayscale version is **27.2256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1229, 0.4699, 0.3982**, and **13.1438, 0.6063, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **28.1868, 0.5863, 0.3693**, and if you desaturate by 10%, it is **35.6395, 0.5251, 0.3810**.

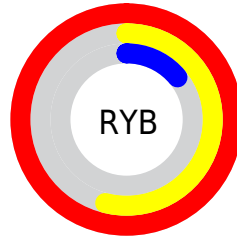
Distribution



Red (100%)

Green (41%)

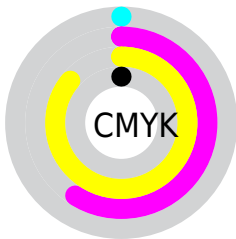
Blue (14%)



Red (100%)

Yellow (54%)

Blue (14%)

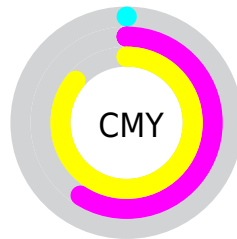


Cyan (0%)

Magenta (59%)

Yellow (86%)

Black (0%)



Cyan (0%)

Magenta (59%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4905, 0.5589, 0.3776 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 31.4905, 0.5589, 0.3776 by changing the saturation by 10% instead.


 31.4905, 0.5589,
0.3776


 31.4905, 0.5589,
0.3776

308.7917, 0.4362,
0.3701

 20.9726, 0.5853,
0.3727


 62.0115, 0.5167,
0.3798

 13.1040, 0.6159,
0.3630

 82.7834, 0.4999,
0.3791

 7.5002, 0.6535,
0.3465


 107.7421, 0.4854,
0.3779

 3.7768, 0.6874,
0.3126

 137.2721, 0.4729,
0.3765

 1.5495, 0.7371,
0.2629

 171.7576, 0.4619,
0.3749

 0.3232, 0.8545,
0.1455

 211.5831, 0.4523,

 0.0000, 1.0000,

0.3732

0.0000

257.1330, 0.4437,
0.3716

■ 0.0000, 0.0000,
0.0000

■ 31.4905, 0.5589,
0.3776

■ 31.4905, 0.5589,
0.3776

■ 28.1868, 0.5863,
0.3693

■ 35.6395, 0.5251,
0.3810


■ 27.0411, 0.5958,
0.3651

■ 40.6897, 0.4884,
0.3798


■ 46.6975, 0.4522,
0.3749

■ 53.7124, 0.4186,
0.3677

■ 61.7803, 0.3887,
0.3593

 70.9439, 0.3629,
0.3505

 81.2436, 0.3408,
0.3419

 92.7175, 0.3222,
0.3336

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



31.4905, 0.5329, 0.3009



31.4905, 0.5589, 0.3776



31.4905, 0.5036, 0.4641

Triad

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



31.4905, 0.5589, 0.3776



31.4905, 0.1915, 0.4592



31.4905, 0.1857, 0.1547

Complementary

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



31.4905, 0.5589, 0.3776



42.7361, 0.2019, 0.2374

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.



31.4905, 0.1316, 0.1590



31.4905, 0.5589, 0.3776



31.4905, 0.1302, 0.3006

Square

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



31.4905, 0.5589, 0.3776



31.4905, 0.2933, 0.5709



31.4905, 0.1135, 0.2009



31.4905, 0.2849, 0.1800

Rectangle

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



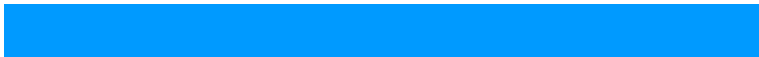
31.4905, 0.5589, 0.3776



31.4905, 0.4406, 0.5236



31.4905, 0.1135, 0.2009



31.4905, 0.1631, 0.1527

Sweetspot

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



31.4923, 0.5589, 0.3776



70.8065, 0.3632, 0.3507



26.2131, 0.3992, 0.2048



14.4502, 0.3717, 0.3537



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.



31.4923, 0.5589, 0.3776



27.0418, 0.5958, 0.3651



68.0806, 0.4495, 0.4715



18.9204, 0.3286, 0.3365



14.3644, 0.5929, 0.3675



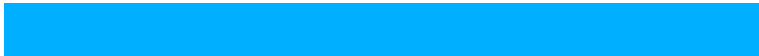
1.5846, 0.5708, 0.3850

Inverse Universe

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



42.7361, 0.2019, 0.2374



37.7622, 0.1946, 0.2205



13.3116, 0.1652, 0.1016



19.4598, 0.2980, 0.3213



20.0114, 0.1952, 0.2225



2.1445, 0.1989, 0.2361

Previews

White Background



This preview shows how the Yxy color 31.4905, 0.5589, 0.3776 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 31.4905, 0.5589, 0.3776 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 31.4905, 0.5589, 0.3776

Background



This preview shows how black text looks on a background with the Yxy color 31.4905, 0.5589, 0.3776.



This preview shows how white text looks on a background with the Yxy color 31.4905, 0.5589, 0.3776.

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

31.4905, 0.5589, 0.3776

Protanopia

31.6538, 0.4238, 0.4671

Deuteranopia

31.6080, 0.4700, 0.4618



Tritanopia

31.4150, 0.4992, 0.3240

Trichromacy



Original Color

31.4905, 0.5589, 0.3776

Protanomaly

30.3467, 0.4773, 0.4309

Deuteranomaly

30.6112, 0.5084, 0.4273

Tritanomaly

31.3568, 0.5265, 0.3478

Monochromacy



Original Color

31.4905, 0.5589, 0.3776

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.7471, 0.4086, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4905, 0.5589, 0.3776 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, 105, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 36)  
}
```

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, 105, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 36) }
```

Border

The CSS property to change the border of an element to Yxy 31.4905, 0.5589, 0.3776 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, 105, 36) }
```

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

```
.border{ border-color:rgb(255, 105, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4905, 0.5589, 0.3776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 36) }
```

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

```
.background{ background-color: rgb(255,  
105, 36) }
```

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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