

Converting Colors

Yxy(30.3568, 0.5599, 0.3682)

Have a look what the booklet for
Yxy(30.3568, 0.5599, 0.3682)
contains.

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Color

Yxy(30.3731, 0.5600, 0.3683)

Conversions

Conversions Part 1

Format	Color
Hex	FF632D
RGB	255, 99, 45
RGB Percent	100%, 39%, 18%
CMY	0.0000, 0.6118, 0.8235
CMYK	0.00, 0.61, 0.82, 0.00
HSL	15°, 100%, 59%
HSV	15°, 82%, 100%
XYZ	46.1823, 30.3731, 5.9130
YIQ	139.4880, 110.3100, 16.2780

Conversions

Conversions Part 2

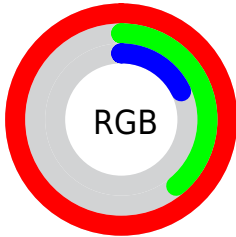
Format	Color
R _Y B	255, 118, 45
Decimal	16737069
CIE Lab	61.97, 56.98, 58.70
CIE LCh	62, 81.810, 45.851
Yxy	30.3731, 0.5600, 0.3683
Android (android.graphics.Color)	4294927149 (0xFFFF632D)
YUV	139.4880, -46.5826, 101.3040
Hunter-Lab	55.1118, 53.1328, 32.2170

Details

The Yxy color **30.3731, 0.5600, 0.3683** 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 **49.5679, 0.2088, 0.2586**, and the grayscale version is **26.1652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5472, 0.4684, 0.3874**, and **12.5330, 0.6150, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **27.0518, 0.5912, 0.3616**, and if you desaturate by 10%, it is **34.6495, 0.5224, 0.3707**.

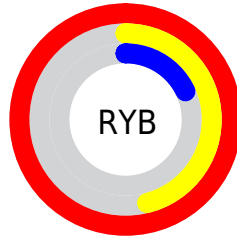
Distribution



Red (100%)

Green (39%)

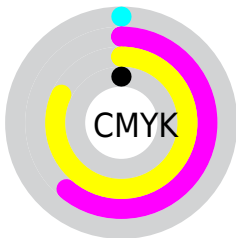
Blue (18%)



Red (100%)

Yellow (46%)

Blue (18%)

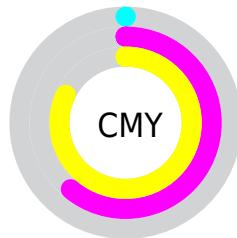


Cyan (0%)

Magenta (61%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3731, 0.5600, 0.3683 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 30.3731, 0.5600, 0.3683 by changing the saturation by 10% instead.


 30.3731, 0.5600,
0.3683


 30.3731, 0.5600,
0.3683


303.6397, 0.4346,
0.3643


 20.1220, 0.5879,
0.3629


 60.2517, 0.5162,
0.3715


 12.4837, 0.6205,
0.3525


 80.6480, 0.4990,
0.3713

 7.0740, 0.6636,
0.3364


 105.1947, 0.4843,
0.3705

 3.5084, 0.6996,
0.3004

 134.2764, 0.4716,
0.3694

 1.4026, 0.7522,
0.2478

 168.2773, 0.4605,
0.3682

 0.2186, 0.8942,
0.1058

 207.5819, 0.4508,

 0.0000, 1.0000,

0.3669

0.0000

252.5746, 0.4422,
0.3656

■ 0.0000, 0.0000,
0.0000

■ 30.3731, 0.5600,
0.3683

■ 30.3731, 0.5600,
0.3683

■ 27.0518, 0.5912,
0.3616

■ 34.6495, 0.5224,
0.3707

■ 25.1023, 0.6093,
0.3544


■ 39.9616, 0.4829,
0.3691


■ 46.3714, 0.4449,
0.3646

■ 53.9381, 0.4106,
0.3584

■ 62.7165, 0.3808,
0.3514

 72.7578, 0.3554,
0.3441

 84.1100, 0.3342,
0.3371

 96.8186, 0.3164,
0.3305

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.



30.3731, 0.5228, 0.2926



30.3731, 0.5600, 0.3683



30.3731, 0.5126, 0.4534

Triad

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



30.3731, 0.5600, 0.3683



30.3731, 0.2023, 0.4772



30.3731, 0.1776, 0.1540

Complementary

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



30.3731, 0.5600, 0.3683



49.5679, 0.2088, 0.2586

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.



30.3731, 0.1282, 0.1621



30.3731, 0.5600, 0.3683



30.3731, 0.1354, 0.3171

Square

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



30.3731, 0.5600, 0.3683



30.3731, 0.3067, 0.5739



30.3731, 0.1141, 0.2095



30.3731, 0.2710, 0.1759

Rectangle

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



30.3731, 0.5600, 0.3683



30.3731, 0.4524, 0.5132



30.3731, 0.1141, 0.2095



30.3731, 0.1567, 0.1532

Sweetspot

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



30.3705, 0.5600, 0.3683



69.9660, 0.3617, 0.3460



27.4265, 0.3805, 0.1973



14.2149, 0.3705, 0.3486



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.



30.3705, 0.5600, 0.3683



25.3312, 0.6071, 0.3553



63.9281, 0.4549, 0.4620



18.7457, 0.3288, 0.3352



13.3181, 0.6065, 0.3566



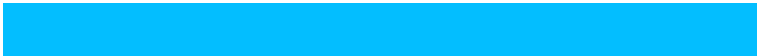
1.4637, 0.5848, 0.3739

Inverse Universe

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



49.5679, 0.2088, 0.2586



44.1154, 0.2008, 0.2426



16.4232, 0.1719, 0.1204



19.6446, 0.2980, 0.3227



23.1480, 0.2009, 0.2432



2.4298, 0.2040, 0.2542

Previews

White Background



This preview shows how the Yxy color 30.3731, 0.5600, 0.3683 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 30.3731, 0.5600, 0.3683 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 30.3731, 0.5600, 0.3683

Background



This preview shows how black text looks on a background with the Yxy color 30.3731, 0.5600, 0.3683.



This preview shows how white text looks on a background with the Yxy color 30.3731, 0.5600, 0.3683.

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

30.3731, 0.5600, 0.3683

Protanopia

30.3439, 0.4154, 0.4562

Deuteranopia

30.2535, 0.4643, 0.4549



Tritanopia

30.3645, 0.5100, 0.3251

Trichromacy



Original Color

30.3731, 0.5600, 0.3683

Protanomaly

28.6411, 0.4735, 0.4194

Deuteranomaly

29.1892, 0.5046, 0.4184

Tritanomaly

30.2049, 0.5325, 0.3431

Monochromacy



Original Color

30.3731, 0.5600, 0.3683

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.2590, 0.4070, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3731, 0.5600, 0.3683 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 45) }
```

Border

The CSS property to change the border of an element to Yxy 30.3731, 0.5600, 0.3683 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, 45) }
```

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

```
.border{ border-color:rgb(255, 99, 45) }
```

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, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3731, 0.5600, 0.3683 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, 45) }
```

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

```
.background{ background-color: rgb(255, 99,  
45) }
```

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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