

Converting Colors

Yxy(33.7708, 0.5421, 0.3822)

Have a look what the booklet for
Yxy(33.7708, 0.5421, 0.3822)
contains.

Yxy(33.7267, 0.5424, 0.3820)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.7267, 0.5424, 0.3820)

Conversions

Conversions Part 1

Format	Color
Hex	FF732F
RGB	255, 115, 47
RGB Percent	100%, 45%, 18%
CMY	0.0000, 0.5490, 0.8157
CMYK	0.00, 0.55, 0.82, 0.00
HSL	20°, 100%, 59%
HSV	20°, 82%, 100%
XYZ	47.8884, 33.7267, 6.6747
YIQ	149.1080, 105.2680, 8.5320

Conversions

Conversions Part 2

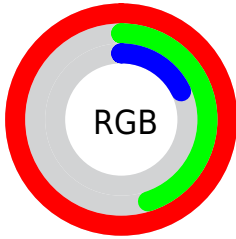
Format	Color
R _Y B	255, 148, 47
Decimal	16741167
CIE Lab	64.75, 49.82, 60.36
CIE LCh	65, 78.264, 50.460
Yxy	33.7267, 0.5424, 0.3820
Android (android.graphics.Color)	4294931247 (0xFFFF732F)
YUV	149.1080, -50.3392, 92.8673
Hunter-Lab	58.0747, 45.5604, 33.8379

Details

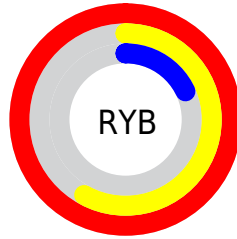
The Yxy color **33.7267, 0.5424, 0.3820** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **43.3659, 0.2039, 0.2391**, and the grayscale version is **30.2835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9103, 0.4544, 0.3997**, and **14.4139, 0.5917, 0.3684** is the 20% darker color. If you saturate the color by 10%, you get **30.0198, 0.5726, 0.3759**, and if you desaturate by 10%, it is **38.2800, 0.5074, 0.3831**.

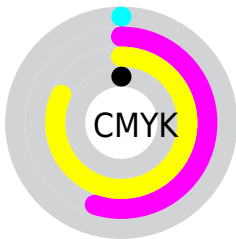
Distribution



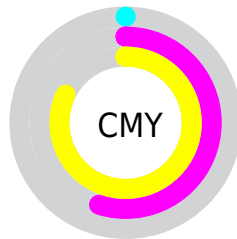
- Red (100%)
- Green (45%)
- Blue (18%)



- Red (100%)
- Yellow (58%)
- Blue (18%)



- Cyan (0%)
- Magenta (55%)
- Yellow (82%)
- Black (0%)




- Cyan (0%)
- Magenta (55%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7267, 0.5424, 0.3820 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 33.7267, 0.5424, 0.3820 by changing the saturation by 10% instead.


 33.7267, 0.5424,
0.3820


 33.7267, 0.5424,
0.3820


318.9117, 0.4278,
0.3698


 22.6837, 0.5676,
0.3792


 65.5084, 0.5027,
0.3818


 14.3601, 0.5968,
0.3723


 87.0160, 0.4871,
0.3804


 8.3716, 0.6376,
0.3624


 112.7805, 0.4736,
0.3788

 4.3336, 0.6678,
0.3322

 143.1864, 0.4619,
0.3769

 1.8619, 0.7123,
0.2877

 178.6181, 0.4517,
0.3751

 0.5253, 0.7962,
0.2038

 219.4599, 0.4428,

 0.0000, 1.0000,

0.3733

0.0000

266.0963, 0.4349,
0.3715

■ 0.0000, 0.0000,
0.0000

■ 33.7267, 0.5424,
0.3820

■ 33.7267, 0.5424,
0.3820

■ 30.0198, 0.5726,
0.3759

■ 38.2800, 0.5074,
0.3831

■ 27.5020, 0.5928,
0.3675

■ 43.7389, 0.4712,
0.3799

■ 50.1522, 0.4364,
0.3737

■ 57.5657, 0.4047,
0.3655

■ 66.0222, 0.3768,
0.3566

 75.5614, 0.3528,
0.3474

 86.2214, 0.3324,
0.3386

 98.0379, 0.3152,
0.3303

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.



33.7267, 0.5187, 0.3076



33.7267, 0.5424, 0.3820



33.7267, 0.4918, 0.4636

Triad

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



33.7267, 0.5424, 0.3820



33.7267, 0.1982, 0.4425



33.7267, 0.1966, 0.1648

Complementary

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



33.7267, 0.5424, 0.3820



43.3659, 0.2039, 0.2391

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.



33.7267, 0.1428, 0.1684



33.7267, 0.5424, 0.3820



33.7267, 0.1403, 0.3001

Square

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



33.7267, 0.5424, 0.3820



33.7267, 0.2941, 0.5479



33.7267, 0.1244, 0.2081



33.7267, 0.2918, 0.1900

Rectangle

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



33.7267, 0.5424, 0.3820



33.7267, 0.4332, 0.5165



33.7267, 0.1244, 0.2081



33.7267, 0.1743, 0.1626

Sweetspot

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



33.7255, 0.5424, 0.3820



73.1414, 0.3583, 0.3497



26.9727, 0.3984, 0.2089



14.9212, 0.3668, 0.3529



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.



33.7255, 0.5424, 0.3820



28.0543, 0.5882, 0.3695



71.0220, 0.4422, 0.4721



18.9567, 0.3286, 0.3368



14.6110, 0.5898, 0.3699



1.6121, 0.5678, 0.3873

Inverse Universe

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



43.3659, 0.2039, 0.2391



37.2575, 0.1943, 0.2186



14.3419, 0.1690, 0.1078



19.4217, 0.2980, 0.3210



19.4018, 0.1940, 0.2182



2.0885, 0.1979, 0.2323

Previews

White Background



This preview shows how the Yxy color 33.7267, 0.5424, 0.3820 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 33.7267, 0.5424, 0.3820 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 33.7267, 0.5424, 0.3820

Background



This preview shows how black text looks on a background with the Yxy color 33.7267, 0.5424, 0.3820.



This preview shows how white text looks on a background with the Yxy color 33.7267, 0.5424, 0.3820.

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

33.7267, 0.5424, 0.3820

Protanopia

33.9893, 0.4185, 0.4604

Deuteranopia

33.6162, 0.4630, 0.4535



Tritanopia

33.6962, 0.4791, 0.3227

Trichromacy



Original Color

33.7267, 0.5424, 0.3820

Protanomaly

32.5915, 0.4672, 0.4287

Deuteranomaly

33.0979, 0.4945, 0.4249

Tritanomaly

33.6210, 0.5068, 0.3480

Monochromacy



Original Color

33.7267, 0.5424, 0.3820

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.7525, 0.3991, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7267, 0.5424, 0.3820 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, 115, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 47)  
}
```

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, 115, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 47) }
```

Border

The CSS property to change the border of an element to Yxy 33.7267, 0.5424, 0.3820 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, 115, 47) }
```

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

```
.border{ border-color:rgb(255, 115, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7267, 0.5424, 0.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 47) }
```

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

```
.background{ background-color: rgb(255,  
115, 47) }
```

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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