

Converting Colors

$Y_{xy}(48.0376, 0.5736, 0.3557)$

Have a look what the booklet for
Yxy(48.0376, 0.5736, 0.3557)
contains.

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Color

Yxy(32.7488, 0.5377, 0.3695)

Conversions

Conversions Part 1

Format	Color
Hex	FF6E3D
RGB	255, 110, 61
RGB Percent	100%, 43%, 24%
CMY	0.0000, 0.5686, 0.7608
CMYK	0.00, 0.57, 0.76, 0.00
HSL	15°, 100%, 62%
HSV	15°, 76%, 100%
XYZ	47.6564, 32.7488, 8.2249
YIQ	147.7690, 102.1490, 15.5010

Conversions

Conversions Part 2

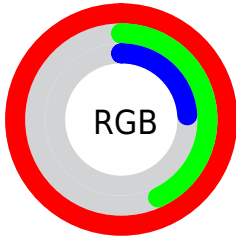
Format	Color
R _Y B	255, 127, 61
Decimal	16739901
CIE Lab	63.96, 52.58, 53.31
CIE LCh	64, 74.877, 45.398
Yxy	32.7488, 0.5377, 0.3695
Android (android.graphics.Color)	4294929981 (0xFFFF6E3D)
YUV	147.7690, -42.7771, 94.0416
Hunter-Lab	57.2266, 48.5023, 31.5372

Details

The Yxy color **32.7488, 0.5377, 0.3695** 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 **52.3460, 0.2135, 0.2659**, and the grayscale version is **29.6653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3180, 0.4483, 0.3841**, and **13.8285, 0.5956, 0.3596** is the 20% darker color. If you saturate the color by 10%, you get **28.8579, 0.5735, 0.3655**, and if you desaturate by 10%, it is **37.6581, 0.4982, 0.3694**.

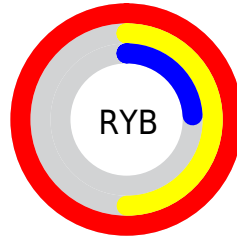
Distribution



Red (100%)

Green (43%)

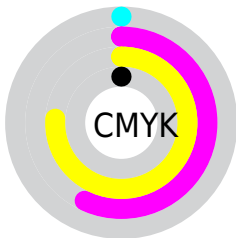
Blue (24%)



Red (100%)

Yellow (50%)

Blue (24%)

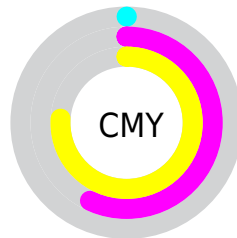


Cyan (0%)

Magenta (57%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (57%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7488, 0.5377, 0.3695 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 32.7488, 0.5377, 0.3695 by changing the saturation by 10% instead.


 32.7488, 0.5377,
0.3695


 32.7488, 0.5377,
0.3695


314.5163, 0.4230,
0.3615


 21.9341, 0.5642,
0.3665


 63.9831, 0.4970,
0.3702


 13.8085, 0.5958,
0.3597


 85.1716, 0.4813,
0.3693

 7.9876, 0.6364,
0.3477

 110.5867, 0.4679,
0.3682

 4.0870, 0.6788,
0.3212

 140.6128, 0.4564,
0.3669

 1.7223, 0.7259,
0.2741

 175.6345, 0.4464,
0.3655

 0.4381, 0.8221,
0.1779

 216.0360, 0.4376,

 0.0000, 1.0000,

0.3641

0.0000

262.2018, 0.4299,
0.3628

■ 0.0000, 0.0000,
0.0000

■ 32.7488, 0.5377,
0.3695

■ 32.7488, 0.5377,
0.3695

■ 28.8579, 0.5735,
0.3655

■ 37.6581, 0.4982,
0.3694

■ 25.9024, 0.6015,
0.3573


■ 43.6488, 0.4592,
0.3659


■ 24.9731, 0.6103,
0.3536

■ 50.7848, 0.4232,
0.3603

■ 59.1233, 0.3915,
0.3536

■ 68.7174, 0.3644,
0.3465

 79.6171, 0.3417,
0.3395

 91.8695, 0.3227,
0.3328

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



32.7488, 0.4999, 0.2973



32.7488, 0.5377, 0.3695



32.7488, 0.4998, 0.4481

Triad

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



32.7488, 0.5377, 0.3695



32.7488, 0.2159, 0.4612



32.7488, 0.1882, 0.1673

Complementary

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



32.7488, 0.5377, 0.3695



52.3460, 0.2135, 0.2659

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.



32.7488, 0.1416, 0.1764



32.7488, 0.5377, 0.3695



32.7488, 0.1514, 0.3225

Square

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



32.7488, 0.5377, 0.3695



32.7488, 0.3134, 0.5459



32.7488, 0.1291, 0.2231



32.7488, 0.2744, 0.1875

Rectangle

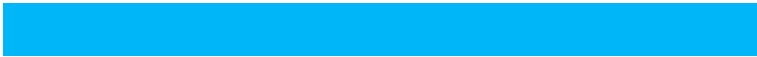
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.7488, 0.5377, 0.3695



32.7488, 0.4469, 0.5003



32.7488, 0.1291, 0.2231



32.7488, 0.1685, 0.1669

Sweetspot

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



32.7506, 0.5377, 0.3695



71.9333, 0.3570, 0.3443



29.0770, 0.3740, 0.2010



14.5921, 0.3658, 0.3469



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.



32.7506, 0.5377, 0.3695



27.2925, 0.5885, 0.3619



65.9770, 0.4463, 0.4581



18.7327, 0.3288, 0.3351



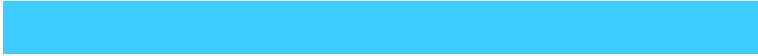
13.2488, 0.6075, 0.3558



1.4554, 0.5858, 0.3731

Inverse Universe

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



52.3460, 0.2135, 0.2659



47.0503, 0.2045, 0.2517



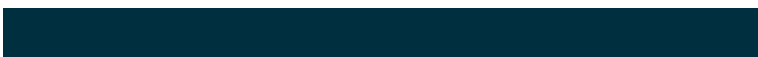
19.2566, 0.1799, 0.1359



19.6586, 0.2980, 0.3229



23.3971, 0.2013, 0.2448



2.4522, 0.2043, 0.2555

Previews

White Background



This preview shows how the Yxy color 32.7488, 0.5377, 0.3695 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 32.7488, 0.5377, 0.3695 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 32.7488, 0.5377, 0.3695

Background



This preview shows how black text looks on a background with the Yxy color 32.7488, 0.5377, 0.3695.



This preview shows how white text looks on a background with the Yxy color 32.7488, 0.5377, 0.3695.

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

32.7488, 0.5377, 0.3695

Protanopia

33.0420, 0.4048, 0.4438

Deuteranopia

32.8882, 0.4516, 0.4442



Tritanopia

32.7379, 0.4878, 0.3238

Trichromacy



Original Color

32.7488, 0.5377, 0.3695

Protanomaly

31.4515, 0.4562, 0.4139

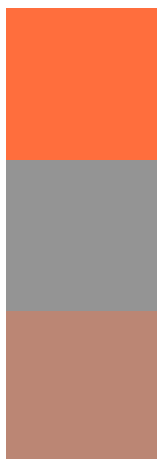
Deuteranomaly

31.9250, 0.4858, 0.4132

Tritanomaly

32.5657, 0.5096, 0.3423

Monochromacy



Original Color

32.7488, 0.5377, 0.3695

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.8759, 0.3950, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7488, 0.5377, 0.3695 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, 110, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 61)  
}
```

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, 110, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 61) }
```

Border

The CSS property to change the border of an element to Yxy 32.7488, 0.5377, 0.3695 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, 110, 61) }
```

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

```
.border{ border-color:rgb(255, 110, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 110, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7488, 0.5377, 0.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 61) }
```

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

```
.background{ background-color: rgb(255,  
110, 61) }
```

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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