

Converting Colors

$Y_{xy}(36.7304, 0.5129, 0.3773)$

Have a look what the booklet for
Yxy(36.7304, 0.5129, 0.3773)
contains.

Yxy(36.6627, 0.5128, 0.3767)	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(36.6627, 0.5128, 0.3767)

Conversions

Conversions Part 1

Format	Color
Hex	FF7E49
RGB	255, 126, 73
RGB Percent	100%, 49%, 29%
CMY	0.0000, 0.5059, 0.7136
CMYK	0.00, 0.51, 0.71, 0.00
HSL	17°, 100%, 64%
HSV	17°, 71%, 100%
XYZ	49.9088, 36.6627, 10.7545
YIQ	158.5290, 93.8970, 10.8650

Conversions

Conversions Part 2

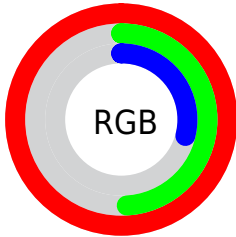
Format	Color
R_{YB}	255, 148, 73
Decimal	16744009
CIE _{Lab}	67.02, 45.52, 50.69
CIE _{LCh}	67, 68.133, 48.076
Yxy	36.6627, 0.5128, 0.3767
Android (android.graphics.Color)	4294934089 (0xFFFF7E49)
YUV	158.5290, -42.1658, 84.6051
Hunter-Lab	60.5497, 41.1685, 31.8540

Details

The Yxy color **36.6627, 0.5128, 0.3767** 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 **50.8959, 0.2150, 0.2609**, and the grayscale version is **34.6079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7630, 0.4271, 0.3879**, and **16.0334, 0.5654, 0.3734** is the 20% darker color. If you saturate the color by 10%, you get **32.1770, 0.5494, 0.3752**, and if you desaturate by 10%, it is **42.1203, 0.4748, 0.3742**.

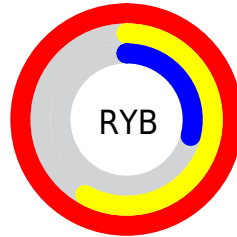
Distribution



Red (100%)

Green (49%)

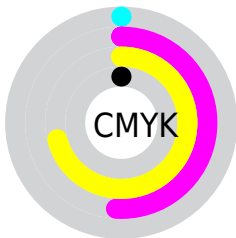
Blue (29%)



Red (100%)

Yellow (58%)

Blue (29%)

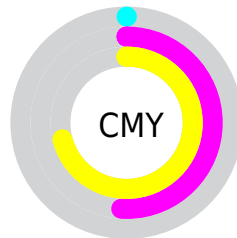


Cyan (0%)

Magenta (51%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (51%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.6627, 0.5128, 0.3767 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 36.6627, 0.5128, 0.3767 by changing the saturation by 10% instead.


 36.6627, 0.5128,
0.3767


 36.6627, 0.5128,
0.3767


331.8479, 0.4116,
0.3626


 24.9464, 0.5364,
0.3763


 70.0537, 0.4769,
0.3744


 16.0372, 0.5649,
0.3734


 92.4973, 0.4630,
0.3726

 9.5505, 0.5992,
0.3656


 119.2853, 0.4512,
0.3708

 5.1019, 0.6474,
0.3526

 150.8024, 0.4411,
0.3690

 2.3072, 0.6860,
0.3140

 187.4328, 0.4323,
0.3673

 0.7775, 0.7479,
0.2521

229.5609, 0.4245,

 0.0000, 1.0000,

0.3656

0.0000

277.5711, 0.4177,
0.3640

0.0000, 0.0000,
0.0000

36.6627, 0.5128,
0.3767

36.6627, 0.5128,
0.3767

32.1770, 0.5494,
0.3752

42.1203, 0.4748,
0.3742

28.6031, 0.5807,
0.3689


48.6097, 0.4386,
0.3687


26.1869, 0.6016,
0.3605

56.1817, 0.4058,
0.3615

64.8847, 0.3772,
0.3534

74.7640, 0.3528,
0.3453

 85.8620, 0.3322,
0.3374

 98.2194, 0.3148,
0.3300

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.



36.6627, 0.4832, 0.3087



36.6627, 0.5128, 0.3767



36.6627, 0.4778, 0.4478

Triad

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



36.6627, 0.5128, 0.3767



36.6627, 0.2217, 0.4329



36.6627, 0.2066, 0.1830

Complementary

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



36.6627, 0.5128, 0.3767



50.8959, 0.2150, 0.2609

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.



36.6627, 0.1599, 0.1897



36.6627, 0.5128, 0.3767



36.6627, 0.1648, 0.3156

Square

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



36.6627, 0.5128, 0.3767



36.6627, 0.3088, 0.5138



36.6627, 0.1458, 0.2306



36.6627, 0.2882, 0.2038

Rectangle

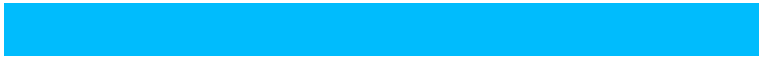
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.6627, 0.5128, 0.3767



36.6627, 0.4301, 0.4909



36.6627, 0.1458, 0.2306



36.6627, 0.1872, 0.1819

Sweetspot

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



36.6617, 0.5128, 0.3767



75.1426, 0.3520, 0.3450



30.3620, 0.3766, 0.2100



15.4714, 0.3583, 0.3472



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.



36.6617, 0.5128, 0.3767



30.4097, 0.5648, 0.3728



70.6348, 0.4345, 0.4588



18.8483, 0.3287, 0.3360



13.9048, 0.5987, 0.3628



1.5324, 0.5767, 0.3803

Inverse Universe

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



50.8959, 0.2150, 0.2609



44.9260, 0.2038, 0.2446



20.3272, 0.1849, 0.1411



19.5358, 0.2980, 0.3219



21.2644, 0.1975, 0.2311



2.2590, 0.2010, 0.2436

Previews

White Background



This preview shows how the Yxy color 36.6627, 0.5128, 0.3767 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 36.6627, 0.5128, 0.3767 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 36.6627, 0.5128, 0.3767

Background



This preview shows how black text looks on a background with the Yxy color 36.6627, 0.5128, 0.3767.



This preview shows how white text looks on a background with the Yxy color 36.6627, 0.5128, 0.3767.

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

36.6627, 0.5128, 0.3767

Protanopia

36.9101, 0.3988, 0.4364

Deuteranopia

36.5325, 0.4439, 0.4344



Tritanopia

36.7640, 0.4574, 0.3224

Trichromacy



Original Color

36.6627, 0.5128, 0.3767

Protanomaly

35.6722, 0.4410, 0.4126

Deuteranomaly

35.9058, 0.4707, 0.4105

Tritanomaly

36.5300, 0.4799, 0.3432

Monochromacy



Original Color

36.6627, 0.5128, 0.3767

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.8953, 0.3830, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6627, 0.5128, 0.3767 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, 126, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 73)  
}
```

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, 126, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 73) }
```

Border

The CSS property to change the border of an element to Yxy 36.6627, 0.5128, 0.3767 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, 126, 73) }
```

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

```
.border{ border-color:rgb(255, 126, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
73) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 36.6627, 0.5128, 0.3767$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 73) }
```

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

```
.background{ background-color: rgb(255,  
126, 73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor