

# Converting Colors

$Y_{xy}(29.2621, 0.5536, 0.3526)$

Have a look what the booklet for  
Yxy(29.2621, 0.5536, 0.3526)  
contains.

<b>Yxy(29.2621, 0.5536, 0.3526)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(29.2621, 0.5536, 0.3526)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5C3E
RGB	255, 92, 62
RGB Percent	100%, 36%, 24%
CMY	0.0000, 0.6393, 0.7568
CMYK	0.00, 0.64, 0.76, 0.00
HSL	9°, 100%, 62%
HSV	9°, 76%, 100%
XYZ	45.9430, 29.2621, 7.7844
YIQ	137.3170, 106.7780, 25.2260

# Conversions

## Conversions Part 2

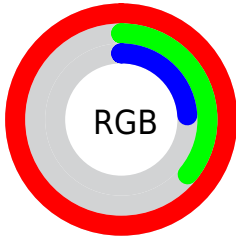
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 98, 62
Decimal	16735294
CIE <sub>Lab</sub>	61.01, 60.45, 49.77
CIE <sub>LCh</sub>	61, 78.305, 39.466
Yxy	29.2621, 0.5536, 0.3526
Android (android.graphics.Color)	4294925374 (0xFFFF5C3E)
YUV	137.3170, -37.1313, 103.2080
Hunter-Lab	54.0945, 56.9366, 29.3340

# Details

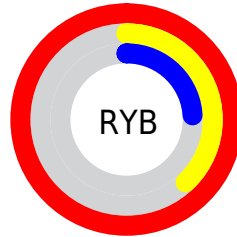
The Yxy color **29.2621, 0.5536, 0.3526** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **62.1044, 0.2203, 0.2913**, and the grayscale version is **25.2517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9026, 0.4595, 0.3678**, and **11.8094, 0.6193, 0.3366** is the 20% darker color. If you saturate the color by 10%, you get **25.8269, 0.5917, 0.3490**, and if you desaturate by 10%, it is **33.8839, 0.5103, 0.3533**.

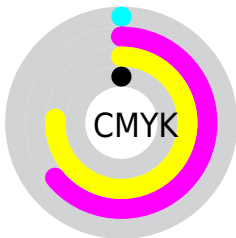
# Distribution



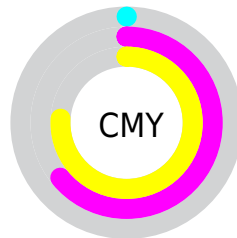
- Red (100%)
- Green (36%)
- Blue (24%)



- Red (100%)
- Yellow (38%)
- Blue (24%)



- Cyan (0%)
- Magenta (64%)
- Yellow (76%)
- Black (0%)




- Cyan (0%)
- Magenta (64%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2621, 0.5536, 0.3526 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 29.2621, 0.5536, 0.3526 by changing the saturation by 10% instead.




 29.2621, 0.5536,  
0.3526


 29.2621, 0.5536,  
0.3526


298.4496, 0.4283,  
0.3538

 19.2792, 0.5833,  
0.3470


 58.4933, 0.5085,  
0.3568


 11.8722, 0.6191,  
0.3367

 78.5103, 0.4913,  
0.3572


 6.6567, 0.6669,  
0.3206


 102.6408, 0.4767,  
0.3571

 3.2483, 0.7136,  
0.2864

 131.2692, 0.4642,  
0.3567

 1.2627, 0.7692,  
0.2308

 164.7799, 0.4533,  
0.3560

 0.1121, 0.9420,  
0.0580

 203.5573, 0.4439,

 0.0000, 1.0000,

0.3553

0.0000

247.9857, 0.4356,  
0.3545

■ 0.0000, 0.0000,  
0.0000

■ 29.2621, 0.5536,  
0.3526

■ 29.2621, 0.5536,  
0.3526

■ 25.8269, 0.5917,  
0.3490

■ 33.8839, 0.5103,  
0.3533

■ 23.4731, 0.6191,  
0.3428


■ 39.7977, 0.4672,  
0.3515


■ 22.7517, 0.6274,  
0.3400

■ 47.0887, 0.4279,  
0.3482

■ 55.8368, 0.3937,  
0.3441

■ 66.1157, 0.3651,  
0.3397

 77.9939, 0.3415,  
0.3354

 91.5361, 0.3221,  
0.3312

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.



29.2621, 0.4970, 0.2792



29.2621, 0.5536, 0.3526



29.2621, 0.5236, 0.4340

# Triad

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



29.2621, 0.5536, 0.3526



29.2621, 0.2256, 0.5018



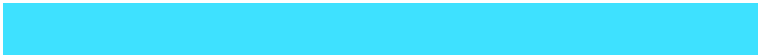
29.2621, 0.1672, 0.1569

# Complementary

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



29.2621, 0.5536, 0.3526



62.1044, 0.2203, 0.2913

# 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.



29.2621, 0.1263, 0.1722



29.2621, 0.5536, 0.3526



29.2621, 0.1498, 0.3488

# Square

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



29.2621, 0.5536, 0.3526



29.2621, 0.3318, 0.5682



29.2621, 0.1196, 0.2299



29.2621, 0.2491, 0.1724



# Rectangle

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



29.2621, 0.5536, 0.3526



29.2621, 0.4709, 0.4921



29.2621, 0.1196, 0.2299



29.2621, 0.1494, 0.1583

# Sweetspot

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



29.2596, 0.5536, 0.3526



69.1451, 0.3583, 0.3385



30.1994, 0.3506, 0.1867



13.9332, 0.3676, 0.3401



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.



29.2596, 0.5536, 0.3526



24.4495, 0.6079, 0.3460



57.3402, 0.4621, 0.4418



18.4425, 0.3291, 0.3328



12.0228, 0.6254, 0.3417



1.2966, 0.6066, 0.3566



# Inverse Universe

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



62.1044, 0.2203, 0.2913



58.0391, 0.2130, 0.2828



24.0906, 0.1866, 0.1608



19.9723, 0.2980, 0.3252



29.4513, 0.2108, 0.2787



2.9914, 0.2125, 0.2850



# Previews

## White Background



This preview shows how the Yxy color 29.2621, 0.5536, 0.3526 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

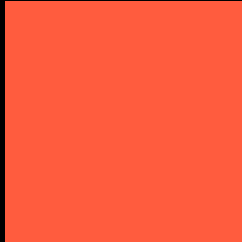
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.2621, 0.5536, 0.3526 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 29.2621, 0.5536, 0.3526**

## Background



This preview shows how black text looks on a background with the Yxy color 29.2621, 0.5536, 0.3526.



This preview shows how white text looks on a background with the Yxy color 29.2621, 0.5536, 0.3526.

# 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

29.2621, 0.5536, 0.3526

### Protanopia

29.4257, 0.3957, 0.4328

### Deuteranopia

29.1855, 0.4498, 0.4414



## Tritanopia

29.2129, 0.5215, 0.3253

# Trichromacy



## Original Color

29.2621, 0.5536, 0.3526

## Protanomaly

27.6551, 0.4572, 0.3990

## Deuteranomaly

28.1434, 0.4926, 0.4036

## Tritanomaly

29.1815, 0.5350, 0.3363

# Monochromacy



## Original Color

29.2621, 0.5536, 0.3526

## Achromatopsia

25.0158, 0.3127, 0.3290

## Achromatomaly

24.5038, 0.4013, 0.3453

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.2621, 0.5536, 0.3526 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, 92, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 62)  
}
```

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, 92, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 62) }
```

## Border

The CSS property to change the border of an element to Yxy 29.2621, 0.5536, 0.3526 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, 92, 62) }
```

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

```
.border{ border-color:rgb(255, 92, 62) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
62) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 29.2621, 0.5536, 0.3526$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 62) }
```

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

```
.background{ background-color: rgb(255, 92,  
62) }
```

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