

# Converting Colors

$Y_{xy}(26.3911, 0.5909, 0.3544)$

Have a look what the booklet for  
Yxy(26.3911, 0.5909, 0.3544)  
contains.

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**Color**

**Yxy(26.3911, 0.5909, 0.3544)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4B1F
RGB	255, 75, 31
RGB Percent	100%, 29%, 12%
CMY	0.0000, 0.7058, 0.8783
CMYK	0.00, 0.71, 0.88, 0.00
HSL	12°, 100%, 56%
HSV	12°, 88%, 100%
XYZ	44.0025, 26.3911, 4.0733
YIQ	123.8040, 121.4040, 24.4760

# Conversions

## Conversions Part 2

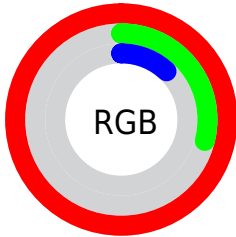
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 86, 31
Decimal	16730911
CIELab	58.41, 66.08, 61.40
CIELCh	58, 90.200, 42.896
Yxy	26.3911, 0.5909, 0.3544
Android (android.graphics.Color)	4294920991 (0xFFFF4B1F)
YUV	123.8040, -45.7524, 115.0589
Hunter-Lab	51.3723, 62.9914, 31.2594

# Details

The Yxy color **26.3911, 0.5909, 0.3544** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **54.1053, 0.2108, 0.2721**, and the grayscale version is **20.2162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9194, 0.4979, 0.3779**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.9587, 0.6166, 0.3467**, and if you desaturate by 10%, it is **29.8263, 0.5550, 0.3591**.

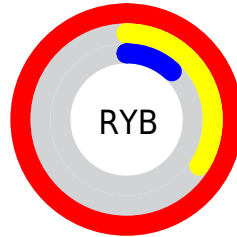
# Distribution



Red (100%)

Green (29%)

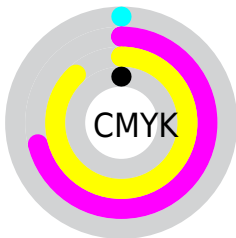
Blue (12%)



Red (100%)

Yellow (34%)

Blue (12%)

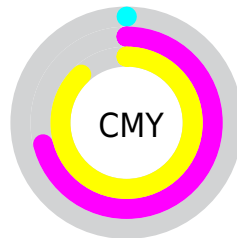


Cyan (0%)

Magenta (71%)

Yellow (88%)

Black (0%)



Cyan (0%)

Magenta (71%)


Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.3911, 0.5909, 0.3544 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 26.3911, 0.5909, 0.3544 by changing the saturation by 10% instead.





 26.3911, 0.5909,  
0.3544


 26.3911, 0.5909,  
0.3544


284.6967, 0.4491,  
0.3616


 17.1165, 0.6217,  
0.3447


 53.9052, 0.5417,  
0.3629

 10.3176, 0.6597,  
0.3296


 72.9135, 0.5222,  
0.3643


 5.6100, 0.6982,  
0.3018

 95.9351, 0.5055,  
0.3647

 2.6094, 0.7417,  
0.2583

 123.3544, 0.4911,  
0.3646

 0.9314, 0.8040,  
0.1960

 155.5558, 0.4785,  
0.3641

 0.0000, 1.0000,  
0.0000

 192.9237, 0.4674,

 0.0000, 0.0000,

0.3634

0.0000

235.8426, 0.4577,  
0.3625

26.3911, 0.5909,  
0.3544

26.3911, 0.5909,  
0.3544

23.9587, 0.6166,  
0.3467

29.8263, 0.5550,  
0.3591

23.5469, 0.6211,  
0.3451

34.3597, 0.5137,  
0.3601

40.0792, 0.4719,  
0.3582

47.0619, 0.4331,  
0.3543

55.3785, 0.3990,  
0.3492

65.0942, 0.3700,  
0.3437

76.2700, 0.3458,  
0.3382

88.9629, 0.3259,  
0.3329

99.9990, 0.3127,  
0.3290

# Harmonies

## Analogous

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



26.3911, 0.5433, 0.2764



26.3911, 0.5909, 0.3544



26.3911, 0.5374, 0.4455

# Triad

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



26.3911, 0.5909, 0.3544



26.3911, 0.1940, 0.5222



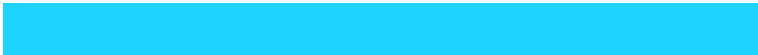
26.3911, 0.1552, 0.1360

# Complementary

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



26.3911, 0.5909, 0.3544



54.1053, 0.2108, 0.2721

# 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.



26.3911, 0.1075, 0.1466



26.3911, 0.5909, 0.3544



26.3911, 0.1192, 0.3279

# Square

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



26.3911, 0.5909, 0.3544



26.3911, 0.3089, 0.6148



26.3911, 0.0952, 0.2002



26.3911, 0.2514, 0.1564



# Rectangle

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



26.3911, 0.5909, 0.3544



26.3911, 0.4697, 0.5158



26.3911, 0.0952, 0.2002



26.3911, 0.1347, 0.1358

# Sweetspot

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



26.3927, 0.5909, 0.3544



67.0312, 0.3652, 0.3427



27.0925, 0.3666, 0.1844



13.5726, 0.3744, 0.3446



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.



26.3927, 0.5909, 0.3544



23.5480, 0.6211, 0.3451



55.6697, 0.4757, 0.4516



18.5644, 0.3290, 0.3337



12.4671, 0.6186, 0.3470



1.3574, 0.5983, 0.3632



# Inverse Universe

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



54.1053, 0.2108, 0.2721



50.8444, 0.2065, 0.2634



17.0053, 0.1705, 0.1241



19.8395, 0.2980, 0.3242



26.7816, 0.2068, 0.2646



2.7551, 0.2091, 0.2728



# Previews

## White Background



This preview shows how the Yxy color 26.3911, 0.5909, 0.3544 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 26.3911, 0.5909, 0.3544 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 26.3911, 0.5909, 0.3544**

## Background



This preview shows how black text looks on a background with the Yxy color 26.3911, 0.5909, 0.3544.



This preview shows how white text looks on a background with the Yxy color 26.3911, 0.5909, 0.3544.

# 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

26.3911, 0.5909, 0.3544

### Protanopia

26.4231, 0.4208, 0.4644

### Deuteranopia

26.2400, 0.4722, 0.4633



## Tritanopia

26.4027, 0.5560, 0.3275

# Trichromacy



## Original Color

26.3911, 0.5909, 0.3544

## Protanomaly

24.2201, 0.4938, 0.4159

## Deuteranomaly

24.7343, 0.5263, 0.4158

## Tritanomaly

26.3409, 0.5721, 0.3393

# Monochromacy



## Original Color

26.3911, 0.5909, 0.3544

## Achromatopsia

20.1556, 0.3127, 0.3290

## Achromatomaly

19.8169, 0.4283, 0.3535

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.3911, 0.5909, 0.3544 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, 75, 31)` looks like.

```
.text, #text, p{  
  color:rgb(255, 75, 31)  
}
```

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, 75, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 75, 31) }
```

## Border

The CSS property to change the border of an element to Yxy 26.3911, 0.5909, 0.3544 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, 75, 31) }
```

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

```
.border{ border-color:rgb(255, 75, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 75, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 75, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 75, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 75,  
31) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.3911, 0.5909, 0.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 75, 31) }
```

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

```
.background{ background-color: rgb(255, 75,  
31) }
```

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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