

# Converting Colors

$Yxy(25.6371, 0.5829, 0.3404)$

Have a look what the booklet for  
Yxy(25.6371, 0.5829, 0.3404)  
contains.

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**Color**

**Yxy(25.6333, 0.5830, 0.3404)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF4433
RGB	255, 68, 51
RGB Percent	100%, 27%, 20%
CMY	0.0000, 0.7332, 0.7999
CMYK	0.00, 0.73, 0.80, 0.00
HSL	5°, 100%, 60%
HSV	5°, 80%, 100%
XYZ	43.9019, 25.6333, 5.7682
YIQ	121.9750, 116.9090, 34.3570

# Conversions

## Conversions Part 2

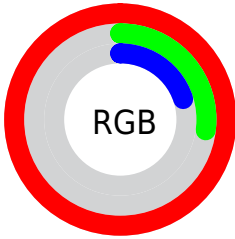
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 70, 51
Decimal	16729139
CIE Lab	57.69, 68.88, 51.93
CIE LCh	58, 86.267, 37.013
Yxy	25.6333, 0.5830, 0.3404
Android (android.graphics.Color)	4294919219 (0xFFFF4433)
YUV	121.9750, -34.9907, 116.6629
Hunter-Lab	50.6293, 66.1803, 28.6856

# Details

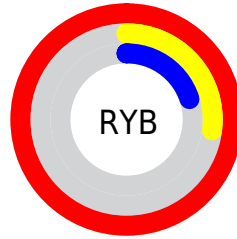
The Yxy color **25.6333, 0.5830, 0.3404** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **69.0604, 0.2228, 0.3078**, and the grayscale version is **19.5467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6184, 0.4859, 0.3566**, and **10.8254, 0.6384, 0.3291** is the 20% darker color. If you saturate the color by 10%, you get **23.1809, 0.6162, 0.3373**, and if you desaturate by 10%, it is **29.3380, 0.5399, 0.3418**.

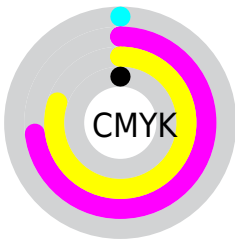
# Distribution



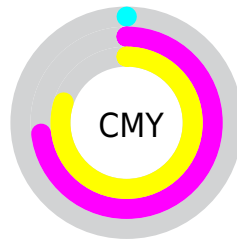
- Red (100%)
- Green (27%)
- Blue (20%)



- Red (100%)
- Yellow (27%)
- Blue (20%)



- Cyan (0%)
- Magenta (73%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (73%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.6333, 0.5830, 0.3404 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 25.6333, 0.5830, 0.3404 by changing the saturation by 10% instead.





 25.6333, 0.5830,  
0.3404


 25.6333, 0.5830,  
0.3404


280.9773, 0.4413,  
0.3511


 16.5495, 0.6161,  
0.3311


 52.6828, 0.5322,  
0.3491

 9.9138, 0.6554,  
0.3156


 71.4173, 0.5127,  
0.3509

 5.3419, 0.7077,  
0.2923

 94.1374, 0.4961,  
0.3518

 2.4492, 0.7529,  
0.2471

 121.2277, 0.4819,  
0.3521

 0.8510, 0.8171,  
0.1829

 153.0724, 0.4696,  
0.3521

 0.0000, 1.0000,  
0.0000


 190.0559, 0.4589,


 0.0000, 0.0000,


0.3519


0.0000


232.5628, 0.4496,  
0.3515

 25.6333, 0.5830,  
0.3404


 25.6333, 0.5830,  
0.3404


 23.1809, 0.6162,  
0.3373


 29.3380, 0.5399,  
0.3418

 21.8046, 0.6353,  
0.3337


 34.4277, 0.4936,  
0.3417


 21.8037, 0.6353,  
0.3337

 41.0230, 0.4497,  
0.3403

 49.2302, 0.4110,  
0.3382

 59.1459, 0.3785,  
0.3359

 70.8593, 0.3518,  
0.3335

 84.4530, 0.3302,  
0.3312

99.9977, 0.3127,  
0.3290

# Harmonies

## Analogous

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



25.6333, 0.5139, 0.2642



25.6333, 0.5830, 0.3404



25.6333, 0.5488, 0.4267

# Triad

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



25.6333, 0.5830, 0.3404



25.6333, 0.2187, 0.5456



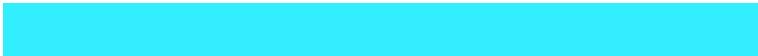
25.6333, 0.1465, 0.1398

# Complementary

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



25.6333, 0.5830, 0.3404



69.0604, 0.2228, 0.3078

# 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.



25.6333, 0.1069, 0.1574



25.6333, 0.5830, 0.3404



25.6333, 0.1345, 0.3632

# Square

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



25.6333, 0.5830, 0.3404



25.6333, 0.3350, 0.6021



25.6333, 0.1014, 0.2222



25.6333, 0.2306, 0.1541



# Rectangle

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



25.6333, 0.5830, 0.3404



25.6333, 0.4889, 0.4932



25.6333, 0.1014, 0.2222



25.6333, 0.1291, 0.1417

# Sweetspot

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



25.6348, 0.5830, 0.3404



65.9485, 0.3619, 0.3344



29.7997, 0.3378, 0.1740



13.2336, 0.3715, 0.3353



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.



25.6348, 0.5830, 0.3404



22.2423, 0.6291, 0.3350



50.2471, 0.4832, 0.4319



18.2303, 0.3292, 0.3310



11.4779, 0.6340, 0.3348



1.1970, 0.6212, 0.3449



# Inverse Universe

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



69.0604, 0.2228, 0.3078



66.4658, 0.2180, 0.3033



25.5341, 0.1859, 0.1682



20.2069, 0.2980, 0.3270



34.5501, 0.2174, 0.3026



3.4374, 0.2183, 0.3059



# Previews

## White Background



This preview shows how the Yxy color 25.6333, 0.5830, 0.3404 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

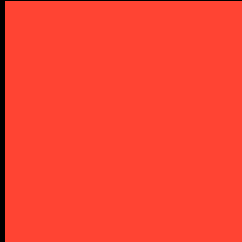
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 25.6333, 0.5830, 0.3404 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 25.6333, 0.5830, 0.3404**

## Background



This preview shows how black text looks on a background with the Yxy color 25.6333, 0.5830, 0.3404.



This preview shows how white text looks on a background with the Yxy color 25.6333, 0.5830, 0.3404.

# 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

25.6333, 0.5830, 0.3404

### Protanopia

25.6925, 0.3992, 0.4363

### Deuteranopia

25.7378, 0.4591, 0.4504



## **Tritanopia**

25.5861, 0.5669, 0.3277

# Trichromacy



## Original Color

25.6333, 0.5830, 0.3404

## Protanomaly

23.1276, 0.4755, 0.3918

## Deuteranomaly

23.9347, 0.5145, 0.4002

## Tritanomaly

25.6221, 0.5736, 0.3331

# Monochromacy



## Original Color

25.6333, 0.5830, 0.3404

## Achromatopsia

19.4618, 0.3127, 0.3290

## Achromatomaly

18.8933, 0.4200, 0.3385

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.6333, 0.5830, 0.3404 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, 68, 51)` looks like.

```
.text, #text, p{
  color:rgb(255, 68, 51)
}
```

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, 68, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 68, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 25.6333, 0.5830, 0.3404 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, 68, 51) }
```

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

```
.border{ border-color:rgb(255, 68, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 68, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 68, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 68, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 68,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.6333, 0.5830, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 68, 51) }
```

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

```
.background{ background-color: rgb(255, 68,  
51) }
```

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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