

Converting Colors

$Y_{xy}(27.3704, 0.5854, 0.3603)$

Have a look what the booklet for
Yxy(27.3704, 0.5854, 0.3603)
contains.

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Color

Yxy(27.3833, 0.5855, 0.3605)

Conversions

Conversions Part 1

Format	Color
Hex	FF521D
RGB	255, 82, 29
RGB Percent	100%, 32%, 11%
CMY	0.0001, 0.6783, 0.8864
CMYK	0.00, 0.68, 0.89, 0.00
HSL	14°, 100%, 56%
HSV	14°, 89%, 100%
XYZ	44.4741, 27.3833, 4.1018
YIQ	127.6850, 120.1210, 20.1930

Conversions

Conversions Part 2

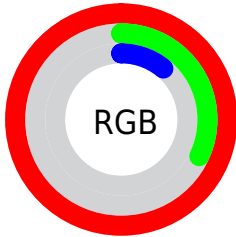
Format	Color
R_{YB}	255, 98, 29
Decimal	16732701
CIE _{Lab}	59.33, 63.49, 62.83
CIE _{LCh}	59, 89.320, 44.702
Yxy	27.3833, 0.5855, 0.3605
Android (android.graphics.Color)	4294922781 (0xFFFF521D)
YUV	127.6850, -48.6517, 111.6553
Hunter-Lab	52.3291, 60.1301, 31.9829

Details

The Yxy color **27.3833, 0.5855, 0.3605** 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 **49.6823, 0.2071, 0.2595**, and the grayscale version is **21.6158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6102, 0.4934, 0.3846**, and **10.8839, 0.6390, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **24.7666, 0.6110, 0.3519**, and if you desaturate by 10%, it is **30.9411, 0.5509, 0.3656**.

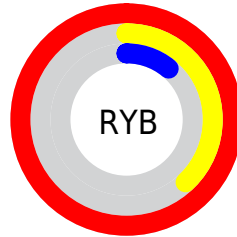
Distribution



Red (100%)

Green (32%)

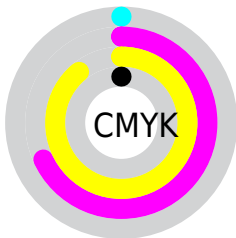
Blue (11%)



Red (100%)

Yellow (38%)

Blue (11%)

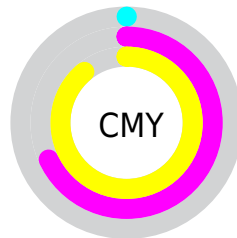


Cyan (0%)

Magenta (68%)

Yellow (89%)

Black (0%)



Cyan (0%)


Magenta (68%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3833, 0.5855, 0.3605 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 27.3833, 0.5855, 0.3605 by changing the saturation by 10% instead.


 27.3833, 0.5855,
0.3605


 27.3833, 0.5855,
0.3605


289.5082, 0.4475,
0.3645


 17.8613, 0.6152,
0.3517


 55.4983, 0.5379,
0.3677


 10.8505, 0.6515,
0.3377


 74.8602, 0.5190,
0.3687

 5.9664, 0.6885,
0.3115

 98.2707, 0.5027,
0.3688

 2.8246, 0.7300,
0.2700

 126.1144, 0.4886,
0.3683

 1.0409, 0.7899,
0.2101

 158.7756, 0.4763,
0.3676

 0.0000, 1.0000,
0.0000

 196.6387, 0.4655,

 0.0000, 0.0000,

0.3666

0.0000

240.0881, 0.4560,
0.3656

27.3833, 0.5855,
0.3605

27.3833, 0.5855,
0.3605

24.7666, 0.6110,
0.3519

30.9411, 0.5509,
0.3656

24.4743, 0.6139,
0.3507

35.5240, 0.5112,
0.3667

41.2091, 0.4709,
0.3643

48.0640, 0.4333,
0.3596

56.1508, 0.3999,
0.3536

65.5271, 0.3713,
0.3470

76.2468, 0.3473,
0.3404

88.3606, 0.3273,
0.3341

99.9966, 0.3127,
0.3290

Harmonies

Analogous

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



27.3833, 0.5447, 0.2824



27.3833, 0.5855, 0.3605



27.3833, 0.5296, 0.4516

Triad

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



27.3833, 0.5855, 0.3605



27.3833, 0.1909, 0.5066



27.3833, 0.1618, 0.1391

Complementary

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



27.3833, 0.5855, 0.3605



49.6823, 0.2071, 0.2595

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.



27.3833, 0.1120, 0.1477



27.3833, 0.5855, 0.3605



27.3833, 0.1197, 0.3185

Square

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



27.3833, 0.5855, 0.3605



27.3833, 0.3033, 0.6083



27.3833, 0.0980, 0.1980



27.3833, 0.2602, 0.1611

Rectangle

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



27.3833, 0.5855, 0.3605



27.3833, 0.4619, 0.5204



27.3833, 0.0980, 0.1980



27.3833, 0.1406, 0.1383

Sweetspot

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



27.3849, 0.5855, 0.3605



67.2005, 0.3671, 0.3459



26.4098, 0.3818, 0.1926



13.6505, 0.3761, 0.3482



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.



27.3849, 0.5855, 0.3605



24.4781, 0.6139, 0.3507



60.2466, 0.4659, 0.4608



18.6791, 0.3289, 0.3346



12.9781, 0.6113, 0.3528



1.4224, 0.5899, 0.3698

Inverse Universe

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



49.6823, 0.2071, 0.2595



46.3086, 0.2027, 0.2497



14.6644, 0.1664, 0.1102



19.7159, 0.2980, 0.3233



24.4377, 0.2031, 0.2511



2.5458, 0.2059, 0.2610

Previews

White Background



This preview shows how the Yxy color 27.3833, 0.5855, 0.3605 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 27.3833, 0.5855, 0.3605 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 27.3833, 0.5855, 0.3605

Background



This preview shows how black text looks on a background with the Yxy color 27.3833, 0.5855, 0.3605.



This preview shows how white text looks on a background with the Yxy color 27.3833, 0.5855, 0.3605.

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

27.3833, 0.5855, 0.3605

Protanopia

27.3004, 0.4241, 0.4673

Deuteranopia

27.4321, 0.4713, 0.4640



Tritanopia

27.4612, 0.5430, 0.3273

Trichromacy



Original Color

27.3833, 0.5855, 0.3605

Protanomaly

25.4233, 0.4919, 0.4210

Deuteranomaly

25.9248, 0.5224, 0.4191

Tritanomaly

27.3562, 0.5628, 0.3421

Monochromacy



Original Color

27.3833, 0.5855, 0.3605

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.1403, 0.4243, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3833, 0.5855, 0.3605 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, 82, 29)` looks like.

```
.text, #text, p{  
  color:rgb(255, 82, 29)  
}
```

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, 82, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 29) }
```

Border

The CSS property to change the border of an element to Yxy 27.3833, 0.5855, 0.3605 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, 82, 29) }
```

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

```
.border{ border-color:rgb(255, 82, 29) }
```

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

Here you see how a box with a 4 pixel rgb(255, 82, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 29);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3833, 0.5855, 0.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 29) }
```

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

```
.background{ background-color: rgb(255, 82,  
29) }
```

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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