

Converting Colors

$Y_{xy}(27.3079, 0.5839, 0.3585)$

Have a look what the booklet for
Yxy(27.3079, 0.5839, 0.3585)
contains.

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Color

Yxy(27.2547, 0.5844, 0.3583)

Conversions

Conversions Part 1

Format	Color
Hex	FF5121
RGB	255, 81, 33
RGB Percent	100%, 32%, 13%
CMY	0.0001, 0.6822, 0.8705
CMYK	0.00, 0.68, 0.87, 0.00
HSL	13°, 100%, 56%
HSV	13°, 87%, 100%
XYZ	44.4534, 27.2547, 4.3586
YIQ	127.5540, 119.1120, 21.9600

Conversions

Conversions Part 2

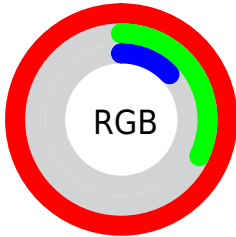
Format	Color
R_{YB}	255, 94, 33
Decimal	16732449
CIE _{Lab}	59.21, 63.94, 61.25
CIE _{LCh}	59, 88.543, 43.773
Yxy	27.2547, 0.5844, 0.3583
Android (android.graphics.Color)	4294922529 (0xFFFF5121)
YUV	127.5540, -46.6151, 111.7701
Hunter-Lab	52.2060, 60.6320, 31.5942

Details

The Yxy color **27.2547, 0.5844, 0.3583** 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 **52.1613, 0.2095, 0.2666**, and the grayscale version is **21.5627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3653, 0.4918, 0.3813**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.6159, 0.6112, 0.3503**, and if you desaturate by 10%, it is **30.8780, 0.5483, 0.3628**.

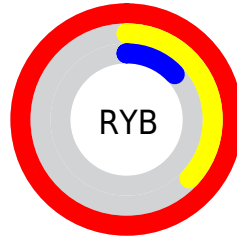
Distribution



Red (100%)

Green (32%)

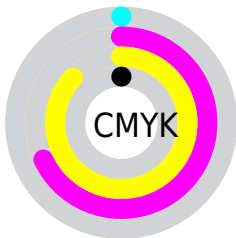
Blue (13%)



Red (100%)

Yellow (37%)

Blue (13%)

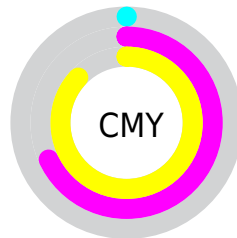


Cyan (0%)

Magenta (68%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (68%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2547, 0.5844, 0.3583 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 27.2547, 0.5844, 0.3583 by changing the saturation by 10% instead.


 27.2547, 0.5844,
0.3583


 27.2547, 0.5844,
0.3583


288.8882, 0.4462,
0.3627


 17.7646, 0.6145,
0.3496


 55.2923, 0.5364,
0.3655


 10.7811, 0.6508,
0.3353


 74.6086, 0.5175,
0.3665


 5.9198, 0.6901,
0.3099

 97.9691, 0.5012,
0.3667

 2.7964, 0.7318,
0.2682

 125.7582, 0.4871,
0.3663

 1.0264, 0.7921,
0.2079

 158.3602, 0.4749,
0.3656

 0.0000, 1.0000,
0.0000

 196.1597, 0.4641,

 0.0000, 0.0000,

0.3647

0.0000

239.5409, 0.4546,
0.3638

27.2547, 0.5844,
0.3583

27.2547, 0.5844,
0.3583

24.6159, 0.6112,
0.3503

30.8780, 0.5483,
0.3628

24.0031, 0.6175,
0.3479

35.5718, 0.5075,
0.3634

41.4171, 0.4666,
0.3609

48.4850, 0.4289,
0.3564

56.8411, 0.3958,
0.3507

66.5460, 0.3676,
0.3446

77.6565, 0.3440,
0.3386

90.2259, 0.3244,
0.3328

99.9971, 0.3127,
0.3290

Harmonies

Analogous

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



27.2547, 0.5401, 0.2805



27.2547, 0.5844, 0.3583



27.2547, 0.5315, 0.4485

Triad

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



27.2547, 0.5844, 0.3583



27.2547, 0.1949, 0.5106



27.2547, 0.1604, 0.1397

Complementary

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



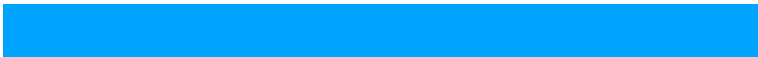
27.2547, 0.5844, 0.3583



52.1613, 0.2095, 0.2666

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.



27.2547, 0.1120, 0.1495



27.2547, 0.5844, 0.3583



27.2547, 0.1221, 0.3239

Square

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



27.2547, 0.5844, 0.3583



27.2547, 0.3075, 0.6065



27.2547, 0.0990, 0.2013



27.2547, 0.2568, 0.1607

Rectangle

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



27.2547, 0.5844, 0.3583



27.2547, 0.4651, 0.5167



27.2547, 0.0990, 0.2013



27.2547, 0.1397, 0.1393

Sweetspot

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



27.2563, 0.5844, 0.3583



67.6509, 0.3649, 0.3440



27.0293, 0.3707, 0.1873



13.7161, 0.3739, 0.3461



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.



27.2563, 0.5844, 0.3583



24.0063, 0.6175, 0.3479



57.5040, 0.4710, 0.4546



18.6237, 0.3289, 0.3342



12.7197, 0.6150, 0.3499



1.3900, 0.5940, 0.3666

Inverse Universe

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



52.1613, 0.2095, 0.2666



48.4610, 0.2045, 0.2563



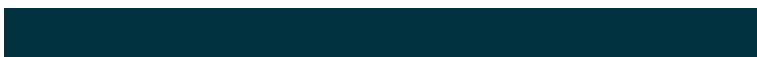
16.5837, 0.1701, 0.1216



19.7755, 0.2980, 0.3237



25.5504, 0.2049, 0.2577



2.6454, 0.2074, 0.2667

Previews

White Background



This preview shows how the Yxy color 27.2547, 0.5844, 0.3583 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 27.2547, 0.5844, 0.3583 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 27.2547, 0.5844, 0.3583

Background



This preview shows how black text looks on a background with the Yxy color 27.2547, 0.5844, 0.3583.



This preview shows how white text looks on a background with the Yxy color 27.2547, 0.5844, 0.3583.

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

27.2547, 0.5844, 0.3583

Protanopia

27.3319, 0.4216, 0.4637

Tritanopia

27.3029, 0.5449, 0.3273

Trichromacy



Original Color

27.2547, 0.5844, 0.3583

Protanomaly

25.2095, 0.4906, 0.4170

Tritanomaly

27.2221, 0.5626, 0.3406

Monochromacy



Original Color

27.2547, 0.5844, 0.3583

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.1579, 0.4229, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2547, 0.5844, 0.3583 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, 81, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 81, 33)  
}
```

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, 81, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 81, 33) }
```

Border

The CSS property to change the border of an element to Yxy 27.2547, 0.5844, 0.3583 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, 81, 33) }
```

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

```
.border{ border-color:rgb(255, 81, 33) }
```

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

Here you see how a box with a 4 pixel rgb(255, 81, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 81, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 81, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 81,  
33) }
```

Background

The CSS property to change the background color of an element to Yxy 27.2547, 0.5844, 0.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 81, 33) }
```

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

```
.background{ background-color: rgb(255, 81,  
33) }
```

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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