

Converting Colors

$Yxy(28.1980, 0.5678, 0.3543)$

Have a look what the booklet for
Yxy(28.1980, 0.5678, 0.3543)
contains.

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Color

Yxy(28.1546, 0.5681, 0.3541)

Conversions

Conversions Part 1

Format	Color
Hex	FF5633
RGB	255, 86, 51
RGB Percent	100%, 34%, 20%
CMY	0.0000, 0.6628, 0.8000
CMYK	0.00, 0.66, 0.80, 0.00
HSL	10°, 100%, 60%
HSV	10°, 80%, 100%
XYZ	45.1698, 28.1546, 6.1859
YIQ	132.5410, 111.9590, 24.9430

Conversions

Conversions Part 2

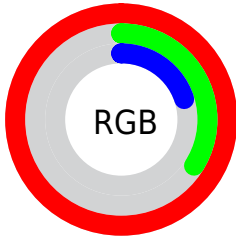
Format	Color
R_{YB}	255, 93, 51
Decimal	16733747
CIE Lab	60.03, 62.48, 54.20
CIE LCh	60, 82.711, 40.940
Yxy	28.1546, 0.5681, 0.3541
Android (android.graphics.Color)	4294923827 (0xFFFF5633)
YUV	132.5410, -40.1997, 107.3965
Hunter-Lab	53.0609, 59.0973, 30.2305

Details

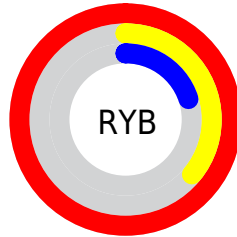
The Yxy color **28.1546, 0.5681, 0.3541** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **59.1164, 0.2166, 0.2845**, and the grayscale version is **23.3960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8250, 0.4743, 0.3718**, and **11.2888, 0.6343, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **25.0976, 0.6022, 0.3490**, and if you desaturate by 10%, it is **32.3289, 0.5267, 0.3560**.

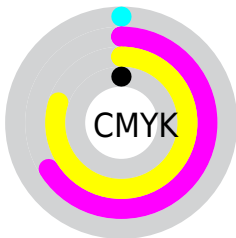
Distribution



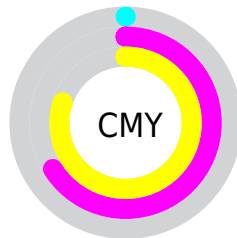
- Red (100%)
- Green (34%)
- Blue (20%)



- Red (100%)
- Yellow (36%)
- Blue (20%)



- Cyan (0%)
- Magenta (66%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (66%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1546, 0.5681, 0.3541 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 28.1546, 0.5681, 0.3541 by changing the saturation by 10% instead.


 28.1546, 0.5681,
0.3541


 28.1546, 0.5681,
0.3541


293.2049, 0.4361,
0.3569

 18.4422, 0.5985,
0.3472


 56.7312, 0.5212,
0.3596


 11.2680, 0.6345,
0.3347


 76.3642, 0.5030,
0.3603

 6.2474, 0.6836,
0.3164


 100.0728, 0.4876,
0.3604

 2.9961, 0.7238,
0.2762

 128.2415, 0.4743,
0.3600

 1.1297, 0.7820,
0.2180

 161.2547, 0.4628,
0.3593

 0.0031, 0.9982,
0.0018

 199.4967, 0.4527,


 0.0000, 1.0000,


0.3586

0.0000


243.3520, 0.4439,
0.3578

 0.0000, 0.0000,
0.0000


 28.1546, 0.5681,
0.3541


 28.1546, 0.5681,
0.3541


 25.0976, 0.6022,
0.3490


 32.3289, 0.5267,
0.3560


 23.0420, 0.6251,
0.3419

 37.7216, 0.4836,
0.3550

 23.0418, 0.6251,
0.3419

 44.4180, 0.4430,
0.3519

 52.4963, 0.4070,
0.3477

 62.0289, 0.3764,
0.3429

 73.0827, 0.3509,
0.3380

 85.7207, 0.3299,
0.3334

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.



28.1546, 0.5145, 0.2786



28.1546, 0.5681, 0.3541



28.1546, 0.5294, 0.4392

Triad

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



28.1546, 0.5681, 0.3541



28.1546, 0.2136, 0.5090



28.1546, 0.1628, 0.1488

Complementary

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



28.1546, 0.5681, 0.3541



59.1164, 0.2166, 0.2845

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.



28.1546, 0.1191, 0.1622



28.1546, 0.5681, 0.3541



28.1546, 0.1379, 0.3409

Square

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



28.1546, 0.5681, 0.3541



28.1546, 0.3234, 0.5853



28.1546, 0.1101, 0.2184



28.1546, 0.2503, 0.1664

Rectangle

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



28.1546, 0.5681, 0.3541



28.1546, 0.4709, 0.5016



28.1546, 0.1101, 0.2184



28.1546, 0.1439, 0.1496

Sweetspot

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



28.1533, 0.5681, 0.3541



68.4730, 0.3606, 0.3400



28.8485, 0.3570, 0.1857



13.8225, 0.3698, 0.3417



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.



28.1533, 0.5681, 0.3541



23.7550, 0.6171, 0.3447



57.0402, 0.4670, 0.4469



18.4904, 0.3290, 0.3331



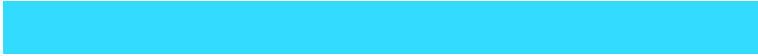
12.1856, 0.6229, 0.3436



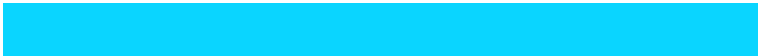
1.3195, 0.6034, 0.3591

Inverse Universe

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



59.1164, 0.2166, 0.2845



54.8810, 0.2100, 0.2746



21.1181, 0.1801, 0.1462



19.9199, 0.2980, 0.3248



28.3794, 0.2092, 0.2732



2.8968, 0.2112, 0.2802

Previews

White Background



This preview shows how the Yxy color 28.1546, 0.5681, 0.3541 looks on a white background.

Color Contrast Check

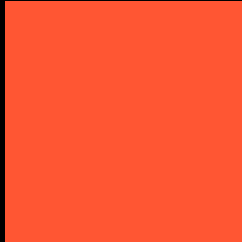
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1546, 0.5681, 0.3541 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 28.1546, 0.5681, 0.3541

Background



This preview shows how black text looks on a background with the Yxy color 28.1546, 0.5681, 0.3541.



This preview shows how white text looks on a background with the Yxy color 28.1546, 0.5681, 0.3541.

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

28.1546, 0.5681, 0.3541

Protanopia

28.2331, 0.4071, 0.4448

Deuteranopia

28.2494, 0.4588, 0.4516



Tritanopia

28.1346, 0.5342, 0.3264

Trichromacy



Original Color

28.1546, 0.5681, 0.3541

Protanomaly

26.3543, 0.4715, 0.4067

Deuteranomaly

26.9091, 0.5064, 0.4093

Tritanomaly

28.0951, 0.5484, 0.3375

Monochromacy



Original Color

28.1546, 0.5681, 0.3541

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.8172, 0.4098, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1546, 0.5681, 0.3541 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, 86, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 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, 86, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 51) }
```

Border

The CSS property to change the border of an element to Yxy 28.1546, 0.5681, 0.3541 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, 86, 51) }
```

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

```
.border{ border-color:rgb(255, 86, 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, 86, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1546, 0.5681, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 51) }
```

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

```
.background{ background-color: rgb(255, 86,  
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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