

Converting Colors

$Yxy(27.9067, 0.5694, 0.3528)$

Have a look what the booklet for
Yxy(27.9067, 0.5694, 0.3528)
contains.

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Color

Yxy(27.8397, 0.5699, 0.3525)

Conversions

Conversions Part 1

Format	Color
Hex	FF5433
RGB	255, 84, 51
RGB Percent	100%, 33%, 20%
CMY	0.0000, 0.6706, 0.8002
CMYK	0.00, 0.67, 0.80, 0.00
HSL	10°, 100%, 60%
HSV	10°, 80%, 100%
XYZ	45.0095, 27.8397, 6.1287
YIQ	131.3670, 112.5090, 25.9890

Conversions

Conversions Part 2

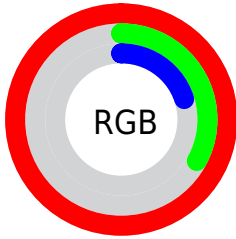
Format	Color
R_{YB}	255, 90, 51
Decimal	16733235
CIE _{Lab}	59.74, 63.24, 53.94
CIE _{LCh}	60, 83.126, 40.463
Yxy	27.8397, 0.5699, 0.3525
Android (android.graphics.Color)	4294923315 (0xFFFF5433)
YUV	131.3670, -39.6209, 108.4261
Hunter-Lab	52.7633, 59.9326, 30.0476

Details

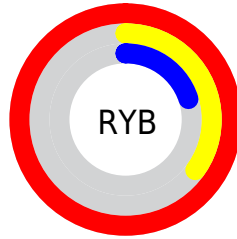
The Yxy color **27.8397, 0.5699, 0.3525** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **60.1428, 0.2173, 0.2871**, and the grayscale version is **22.9483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2299, 0.4759, 0.3697**, and **11.1425, 0.6368, 0.3326** is the 20% darker color. If you saturate the color by 10%, you get **24.8467, 0.6040, 0.3476**, and if you desaturate by 10%, it is **31.9678, 0.5283, 0.3544**.

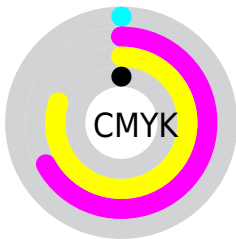
Distribution



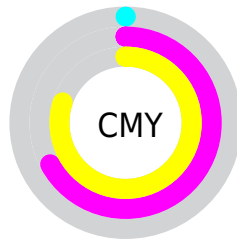
- Red (100%)
- Green (33%)
- Blue (20%)



- Red (100%)
- Yellow (35%)
- Blue (20%)



- Cyan (0%)
- Magenta (67%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (67%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8397, 0.5699, 0.3525 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 27.8397, 0.5699, 0.3525 by changing the saturation by 10% instead.

 27.8397, 0.5699,
0.3525


 27.8397, 0.5699,
0.3525


291.7001, 0.4367,
0.3562


 18.2049, 0.6006,
0.3453


 56.2284, 0.5225,
0.3584


 11.0972, 0.6370,
0.3325


 75.7511, 0.5042,
0.3592


 6.1322, 0.6865,
0.3135

 99.3385, 0.4886,
0.3594

 2.9256, 0.7273,
0.2727

 127.3750, 0.4752,
0.3591

 1.0930, 0.7862,
0.2138

 160.2450, 0.4636,
0.3585

 0.0000, 1.0000,
0.0000

 198.3329, 0.4535,

 0.0000, 0.0000,

0.3578

0.0000

242.0232, 0.4446,
0.3570

■ 27.8397, 0.5699,
0.3525

■ 27.8397, 0.5699,
0.3525

■ 24.8467, 0.6040,
0.3476

■ 31.9678, 0.5283,
0.3544

■ 22.8664, 0.6265,
0.3407

■ 37.3314, 0.4848,
0.3535

■ 44.0203, 0.4438,
0.3507

■ 52.1156, 0.4075,
0.3467

■ 61.6918, 0.3767,
0.3422

72.8181, 0.3511,
0.3376

85.5594, 0.3300,
0.3331

99.9768, 0.3127,
0.3290

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.



27.8397, 0.5145, 0.2769



27.8397, 0.5699, 0.3525



27.8397, 0.5317, 0.4378

Triad

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



27.8397, 0.5699, 0.3525



27.8397, 0.2142, 0.5133



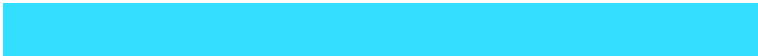
27.8397, 0.1608, 0.1477

Complementary

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



27.8397, 0.5699, 0.3525



60.1428, 0.2173, 0.2871

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.



27.8397, 0.1176, 0.1616



27.8397, 0.5699, 0.3525



27.8397, 0.1375, 0.3434

Square

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



27.8397, 0.5699, 0.3525



27.8397, 0.3248, 0.5875



27.8397, 0.1090, 0.2188



27.8397, 0.2480, 0.1649

Rectangle

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



27.8397, 0.5699, 0.3525



27.8397, 0.4730, 0.5008



27.8397, 0.1090, 0.2188



27.8397, 0.1421, 0.1486

Sweetspot

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



27.8399, 0.5699, 0.3525



68.1945, 0.3607, 0.3394



29.0275, 0.3531, 0.1832



13.7573, 0.3700, 0.3410



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.



27.8399, 0.5699, 0.3525



23.5502, 0.6187, 0.3434



55.6081, 0.4702, 0.4440



18.4620, 0.3290, 0.3329



12.0873, 0.6244, 0.3424



1.3057, 0.6053, 0.3576

Inverse Universe

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



60.1428, 0.2173, 0.2871



56.0685, 0.2109, 0.2778



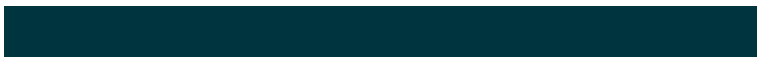
21.9341, 0.1812, 0.1504



19.9510, 0.2980, 0.3251



29.0109, 0.2101, 0.2765



2.9526, 0.2120, 0.2831

Previews

White Background



This preview shows how the Yxy color 27.8397, 0.5699, 0.3525 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 27.8397, 0.5699, 0.3525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

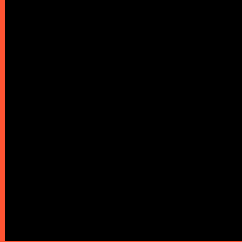
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.8397, 0.5699, 0.3525

Background



This preview shows how black text looks on a background with the Yxy color 27.8397, 0.5699, 0.3525.



This preview shows how white text looks on a background with the Yxy color 27.8397, 0.5699, 0.3525.

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

27.8397, 0.5699, 0.3525

Protanopia

27.8375, 0.4060, 0.4429

Deuteranopia

27.8425, 0.4589, 0.4512



Tritanopia

27.8007, 0.5380, 0.3264

Trichromacy



Original Color

27.8397, 0.5699, 0.3525

Protanomaly

25.8690, 0.4728, 0.4032

Deuteranomaly

26.5269, 0.5068, 0.4087

Tritanomaly

27.7756, 0.5510, 0.3367

Monochromacy



Original Color

27.8397, 0.5699, 0.3525

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.2240, 0.4111, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8397, 0.5699, 0.3525 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, 84, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 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, 84, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 51) }
```

Border

The CSS property to change the border of an element to Yxy 27.8397, 0.5699, 0.3525 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, 84, 51) }
```

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

```
.border{ border-color:rgb(255, 84, 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, 84, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8397, 0.5699, 0.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 51) }
```

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

```
.background{ background-color: rgb(255, 84,  
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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