

Converting Colors

$Y_{xy}(27.6560, 0.5709, 0.3515)$

Have a look what the booklet for
Yxy(27.6560, 0.5709, 0.3515)
contains.

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Color

$\text{Yxy}(27.6855, 0.5707, 0.3517)$

Conversions

Conversions Part 1

Format	Color
Hex	FF5333
RGB	255, 83, 51
RGB Percent	100%, 33%, 20%
CMY	0.0001, 0.6744, 0.8000
CMYK	0.00, 0.67, 0.80, 0.00
HSL	9°, 100%, 60%
HSV	9°, 80%, 100%
XYZ	44.9250, 27.6855, 6.1086
YIQ	130.7800, 112.7840, 26.5120

Conversions

Conversions Part 2

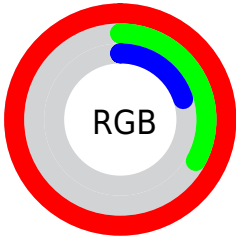
Format	Color
R_{YB}	255, 89, 51
Decimal	16732979
CIE _{Lab}	59.60, 63.60, 53.79
CIE _{LCh}	60, 83.298, 40.220
Yxy	27.6855, 0.5707, 0.3517
Android (android.graphics.Color)	4294923059 (0xFFFF5333)
YUV	130.7800, -39.3315, 108.9409
Hunter-Lab	52.6170, 60.3255, 29.9486

Details

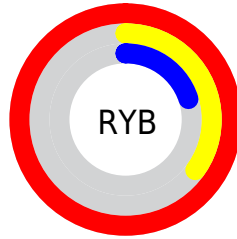
The Yxy color **27.6855, 0.5707, 0.3517** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **60.6691, 0.2177, 0.2884**, and the grayscale version is **22.7328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2299, 0.4759, 0.3697**, and **11.0557, 0.6382, 0.3314** is the 20% darker color. If you saturate the color by 10%, you get **24.7240, 0.6048, 0.3468**, and if you desaturate by 10%, it is **31.7926, 0.5289, 0.3536**.

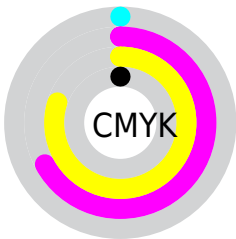
Distribution



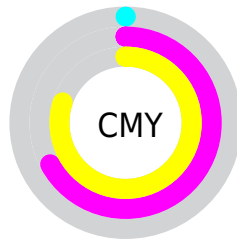
- Red (100%)
- Green (33%)
- Blue (20%)



- 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 27.6855, 0.5707, 0.3517 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 27.6855, 0.5707, 0.3517 by changing the saturation by 10% instead.


 27.6855, 0.5707,
0.3517

 27.6855, 0.5707,
0.3517


290.9611, 0.4370,
0.3559

 18.0887, 0.6016,
0.3444


 55.9819, 0.5231,
0.3578

 11.0137, 0.6381,
0.3314


 75.4504, 0.5047,
0.3587


 6.0761, 0.6879,
0.3121

 98.9782, 0.4891,
0.3588

 2.8914, 0.7290,
0.2710

 126.9497, 0.4756,
0.3586

 1.0753, 0.7883,
0.2117

 159.7493, 0.4640,
0.3581

 0.0000, 1.0000,
0.0000

 197.7615, 0.4538,

 0.0000, 0.0000,

0.3574

0.0000

241.3706, 0.4449,
0.3567

■ 27.6855, 0.5707,
0.3517

■ 27.6855, 0.5707,
0.3517

■ 24.7240, 0.6048,
0.3468

■ 31.7926, 0.5289,
0.3536

■ 22.7768, 0.6272,
0.3402

■ 37.1432, 0.4853,
0.3528

■ 22.7761, 0.6272,
0.3402

■ 43.8303, 0.4441,
0.3500

■ 51.9361, 0.4077,
0.3461

■ 61.5365, 0.3768,
0.3418

72.7018, 0.3511,
0.3373

85.4978, 0.3300,
0.3330

99.9866, 0.3127,
0.3290

99.9957, 0.3127,
0.3290

Harmonies

Analogous

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



27.6855, 0.5144, 0.2761



27.6855, 0.5707, 0.3517



27.6855, 0.5328, 0.4370

Triad

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



27.6855, 0.5707, 0.3517



27.6855, 0.2146, 0.5153



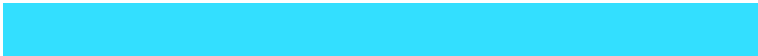
27.6855, 0.1599, 0.1472

Complementary

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



27.6855, 0.5707, 0.3517



60.6691, 0.2177, 0.2884

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.



27.6855, 0.1169, 0.1614



27.6855, 0.5707, 0.3517



27.6855, 0.1374, 0.3447

Square

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



27.6855, 0.5707, 0.3517



27.6855, 0.3255, 0.5884



27.6855, 0.1085, 0.2191



27.6855, 0.2468, 0.1642

Rectangle

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



27.6855, 0.5707, 0.3517



27.6855, 0.4741, 0.5003



27.6855, 0.1085, 0.2191



27.6855, 0.1413, 0.1482

Sweetspot

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



27.6871, 0.5707, 0.3517



68.0522, 0.3608, 0.3391



29.0265, 0.3531, 0.1833



13.7240, 0.3701, 0.3407



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.



27.6871, 0.5707, 0.3517



23.4492, 0.6195, 0.3428



55.6047, 0.4701, 0.4439



18.4475, 0.3291, 0.3328



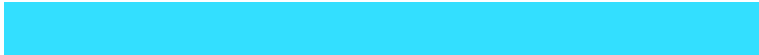
12.0391, 0.6251, 0.3419



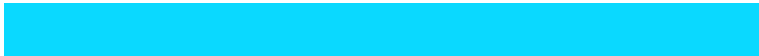
1.2990, 0.6062, 0.3568

Inverse Universe

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



60.6691, 0.2177, 0.2884



56.6834, 0.2114, 0.2794



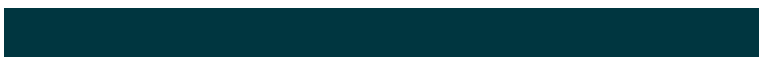
21.9391, 0.1812, 0.1505



19.9669, 0.2980, 0.3252



29.3380, 0.2106, 0.2781



2.9814, 0.2124, 0.2845

Previews

White Background



This preview shows how the Yxy color 27.6855, 0.5707, 0.3517 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 27.6855, 0.5707, 0.3517 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 27.6855, 0.5707, 0.3517

Background



This preview shows how black text looks on a background with the Yxy color 27.6855, 0.5707, 0.3517.



This preview shows how white text looks on a background with the Yxy color 27.6855, 0.5707, 0.3517.

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

27.6855, 0.5707, 0.3517

Protanopia

27.7348, 0.4048, 0.4435

Deuteranopia

27.5595, 0.4601, 0.4500



Tritanopia

27.6374, 0.5399, 0.3265

Trichromacy



Original Color

27.6855, 0.5707, 0.3517

Protanomaly

25.7362, 0.4718, 0.4037

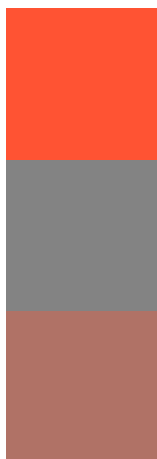
Deuteranomaly

26.2926, 0.5080, 0.4076

Tritanomaly

27.6127, 0.5528, 0.3366

Monochromacy



Original Color

27.6855, 0.5707, 0.3517

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 27.6855, 0.5707, 0.3517 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, 83, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 83, 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, 83, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 51) }
```

Border

The CSS property to change the border of an element to Yxy 27.6855, 0.5707, 0.3517 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, 83, 51) }
```

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

```
.border{ border-color:rgb(255, 83, 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, 83, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6855, 0.5707, 0.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 83, 51) }
```

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

```
.background{ background-color: rgb(255, 83,  
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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