

Converting Colors

$Y_{xy}(27.7719, 0.5650, 0.3479)$

Have a look what the booklet for
Yxy(27.7719, 0.5650, 0.3479)
contains.

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Color

Yxy(27.7520, 0.5649, 0.3476)

Conversions

Conversions Part 1

Format	Color
Hex	FF533A
RGB	255, 83, 58
RGB Percent	100%, 33%, 23%
CMY	0.0000, 0.6745, 0.7724
CMYK	0.00, 0.67, 0.77, 0.00
HSL	8°, 100%, 61%
HSV	8°, 77%, 100%
XYZ	45.1010, 27.7520, 6.9859
YIQ	131.5780, 110.5370, 28.6890

Conversions

Conversions Part 2

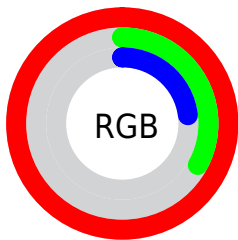
Format	Color
R_{YB}	255, 87, 58
Decimal	16732986
CIE _{Lab}	59.66, 63.85, 50.39
CIE _{LCh}	60, 81.339, 38.279
Yxy	27.7520, 0.5649, 0.3476
Android (android.graphics.Color)	4294923066 (0xFFFF533A)
YUV	131.5780, -36.2740, 108.2411
Hunter-Lab	52.6802, 60.6286, 29.0137

Details

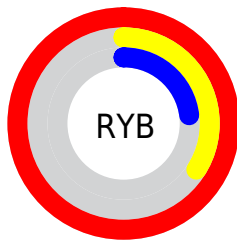
The Yxy color **27.7520, 0.5649, 0.3476** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **64.7318, 0.2213, 0.2978**, and the grayscale version is **23.0169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3713, 0.4691, 0.3633**, and **11.0559, 0.6333, 0.3282** is the 20% darker color. If you saturate the color by 10%, you get **24.6755, 0.6017, 0.3440**, and if you desaturate by 10%, it is **32.0492, 0.5212, 0.3487**.

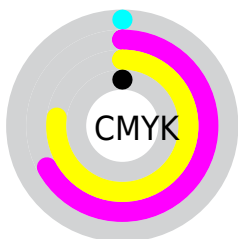
Distribution



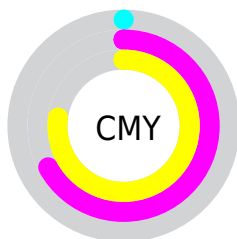
- Red (100%)
- Green (33%)
- Blue (23%)



- Red (100%)
- Yellow (34%)
- Blue (23%)



- Cyan (0%)
- Magenta (67%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7520, 0.5649, 0.3476 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 27.7520, 0.5649, 0.3476 by changing the saturation by 10% instead.


 27.7520, 0.5649,
0.3476


 27.7520, 0.5649,
0.3476


291.2800, 0.4331,
0.3525


 18.1388, 0.5960,
0.3406


 56.0883, 0.5175,
0.3535


 11.0497, 0.6334,
0.3283


 75.5801, 0.4994,
0.3545


 6.1003, 0.6864,
0.3109


 99.1336, 0.4840,
0.3548

 2.9061, 0.7294,
0.2706

 127.1332, 0.4709,
0.3546

 1.0829, 0.7885,
0.2115

 159.9632, 0.4595,
0.3542

 0.0000, 1.0000,
0.0000

 198.0081, 0.4496,

 0.0000, 0.0000,

0.3537

0.0000

241.6522, 0.4408,
0.3531

■ 27.7520, 0.5649,
0.3476

■ 27.7520, 0.5649,
0.3476

■ 24.6755, 0.6017,
0.3440

■ 32.0492, 0.5212,
0.3487

■ 22.6911, 0.6262,
0.3384

■ 37.6805, 0.4767,
0.3477

■ 22.3105, 0.6311,
0.3371

■ 44.7439, 0.4356,
0.3452

■ 53.3287, 0.3998,
0.3419

■ 63.5168, 0.3698,
0.3383

 75.3843, 0.3451,
0.3348

 89.0024, 0.3249,
0.3313

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.



27.7520, 0.5029, 0.2730



27.7520, 0.5649, 0.3476



27.7520, 0.5340, 0.4311

Triad

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



27.7520, 0.5649, 0.3476



27.7520, 0.2237, 0.5190



27.7520, 0.1586, 0.1501

Complementary

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



27.7520, 0.5649, 0.3476



64.7318, 0.2213, 0.2978

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.



27.7520, 0.1185, 0.1667



27.7520, 0.5649, 0.3476



27.7520, 0.1443, 0.3552

Square

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



27.7520, 0.5649, 0.3476



27.7520, 0.3341, 0.5816



27.7520, 0.1125, 0.2275



27.7520, 0.2413, 0.1650

Rectangle

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



27.7520, 0.5649, 0.3476



27.7520, 0.4788, 0.4926



27.7520, 0.1125, 0.2275



27.7520, 0.1411, 0.1518

Sweetspot

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



27.7514, 0.5649, 0.3476



68.3448, 0.3587, 0.3368



30.1161, 0.3441, 0.1808



13.7449, 0.3681, 0.3381



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.



27.7514, 0.5649, 0.3476



23.4098, 0.6175, 0.3409



54.0041, 0.4711, 0.4370



18.3579, 0.3291, 0.3321



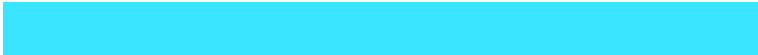
11.7721, 0.6293, 0.3386



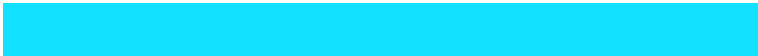
1.2570, 0.6122, 0.3521

Inverse Universe

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



64.7318, 0.2213, 0.2978



61.1648, 0.2149, 0.2907



25.0416, 0.1868, 0.1656



20.0653, 0.2980, 0.3259



31.4128, 0.2134, 0.2884



3.1637, 0.2148, 0.2934

Previews

White Background



This preview shows how the Yxy color 27.7520, 0.5649, 0.3476 looks on a white background.

Color Contrast Check

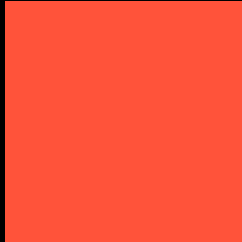
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7520, 0.5649, 0.3476 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 27.7520, 0.5649, 0.3476

Background



This preview shows how black text looks on a background with the Yxy color 27.7520, 0.5649, 0.3476.



This preview shows how white text looks on a background with the Yxy color 27.7520, 0.5649, 0.3476.

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

27.7520, 0.5649, 0.3476

Protanopia

27.8392, 0.3979, 0.4331

Deuteranopia

27.7841, 0.4527, 0.4454



Tritanopia

27.8007, 0.5380, 0.3264

Trichromacy



Original Color

27.7520, 0.5649, 0.3476

Protanomaly

25.8181, 0.4650, 0.3965

Deuteranomaly

26.2183, 0.5007, 0.4019

Tritanomaly

27.8026, 0.5488, 0.3352

Monochromacy



Original Color

27.7520, 0.5649, 0.3476

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.4017, 0.4083, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7520, 0.5649, 0.3476 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, 58)` looks like.

```
.text, #text, p{  
  color:rgb(255, 83, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 58) }
```

Border

The CSS property to change the border of an element to Yxy 27.7520, 0.5649, 0.3476 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, 58) }
```

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

```
.border{ border-color:rgb(255, 83, 58) }
```

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, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7520, 0.5649, 0.3476 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, 58) }
```

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

```
.background{ background-color: rgb(255, 83,  
58) }
```

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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