

Converting Colors

$Yxy(27.5143, 0.5888, 0.3645)$

Have a look what the booklet for
Yxy(27.5143, 0.5888, 0.3645)
contains.

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Color

Yxy(27.4902, 0.5889, 0.3643)

Conversions

Conversions Part 1

Format	Color
Hex	FF5312
RGB	255, 83, 18
RGB Percent	100%, 33%, 7%
CMY	0.0000, 0.6744, 0.9298
CMYK	0.00, 0.67, 0.93, 0.00
HSL	16°, 100%, 54%
HSV	16°, 93%, 100%
XYZ	44.4386, 27.4902, 3.5315
YIQ	127.0180, 123.3770, 16.2490

Conversions

Conversions Part 2

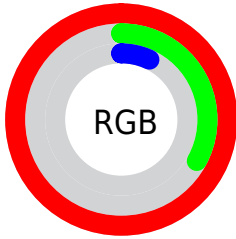
Format	Color
R_{YB}	255, 108, 18
Decimal	16732946
CIE Lab	59.43, 62.96, 66.26
CIE LCh	59, 91.404, 46.463
Yxy	27.4902, 0.5889, 0.3643
Android (android.graphics.Color)	4294923026 (0xFFFF5312)
YUV	127.0180, -53.7459, 112.2402
Hunter-Lab	52.4311, 59.5353, 32.7082

Details

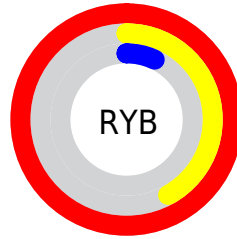
The Yxy color **27.4902, 0.5889, 0.3643** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **44.1099, 0.2016, 0.2424**, and the grayscale version is **21.3865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5106, 0.4989, 0.3898**, and **10.9708, 0.6375, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **25.6443, 0.6054, 0.3575**, and if you desaturate by 10%, it is **30.8440, 0.5584, 0.3713**.

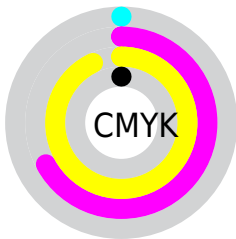
Distribution



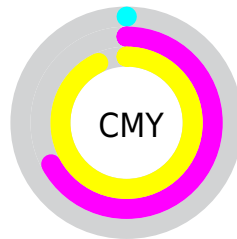
- Red (100%)
- Green (33%)
- Blue (7%)



- Red (100%)
- Yellow (42%)
- Blue (7%)



- Cyan (0%)
- Magenta (67%)
- Yellow (93%)
- Black (0%)



- Cyan (0%)
- Magenta (67%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4902, 0.5889, 0.3643 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 27.4902, 0.5889, 0.3643 by changing the saturation by 10% instead.


 27.4902, 0.5889,
0.3643


 27.4902, 0.5889,
0.3643


290.0228, 0.4508,
0.3680


 17.9417, 0.6178,
0.3551


 55.6695, 0.5419,
0.3719


 10.9082, 0.6548,
0.3415


 75.0691, 0.5230,
0.3728


 6.0051, 0.6869,
0.3131

 98.5212, 0.5067,
0.3728

 2.8482, 0.7281,
0.2719

 126.4101, 0.4924,
0.3723

 1.0530, 0.7877,
0.2123

 159.1204, 0.4800,
0.3714

 0.0000, 1.0000,
0.0000

 197.0363, 0.4691,


 0.0000, 0.0000,


0.3703

0.0000


 240.5423, 0.4594,
0.3692

 27.4902, 0.5889,
0.3643

 27.4902, 0.5889,
0.3643


 25.6443, 0.6054,
0.3575

 30.8440, 0.5584,
0.3713

 35.1227, 0.5218,
0.3738

 40.3963, 0.4831,
0.3722

 46.7260, 0.4457,
0.3674

 54.1677, 0.4117,
0.3608

62.7730, 0.3820,
0.3534

72.5902, 0.3567,
0.3456

83.6649, 0.3353,
0.3381

96.0400, 0.3175,
0.3310

Harmonies

Analogous

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



27.4902, 0.5551, 0.2854



27.4902, 0.5889, 0.3643



27.4902, 0.5266, 0.4576

Triad

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



27.4902, 0.5889, 0.3643



27.4902, 0.1824, 0.5001



27.4902, 0.1638, 0.1369

Complementary

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



27.4902, 0.5889, 0.3643



44.1099, 0.2016, 0.2424

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.



27.4902, 0.1112, 0.1435



27.4902, 0.5889, 0.3643



27.4902, 0.1140, 0.3079

Square

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



27.4902, 0.5889, 0.3643



27.4902, 0.2945, 0.6138



27.4902, 0.0950, 0.1907



27.4902, 0.2667, 0.1608

Rectangle

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



27.4902, 0.5889, 0.3643



27.4902, 0.4560, 0.5284



27.4902, 0.0950, 0.1907



27.4902, 0.1414, 0.1355

Sweetspot

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



27.4918, 0.5889, 0.3643



67.5175, 0.3689, 0.3495



25.4821, 0.3968, 0.1985



13.5695, 0.3802, 0.3528



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.



27.4918, 0.5889, 0.3643



25.6471, 0.6054, 0.3575



62.4548, 0.4630, 0.4670



18.7990, 0.3287, 0.3356



13.6133, 0.6026, 0.3598



1.4986, 0.5806, 0.3772

Inverse Universe

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



44.1099, 0.2016, 0.2424



41.8953, 0.1987, 0.2352



12.1402, 0.1608, 0.0943



19.5879, 0.2980, 0.3223



22.1538, 0.1992, 0.2369



2.3398, 0.2024, 0.2487

Previews

White Background



This preview shows how the Yxy color 27.4902, 0.5889, 0.3643 looks on a white background.

Color Contrast Check

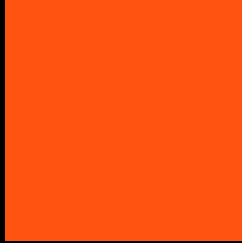
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4902, 0.5889, 0.3643 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 27.4902, 0.5889, 0.3643

Background



This preview shows how black text looks on a background with the Yxy color 27.4902, 0.5889, 0.3643.



This preview shows how white text looks on a background with the Yxy color 27.4902, 0.5889, 0.3643.

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

27.4902, 0.5889, 0.3643

Protanopia

27.6391, 0.4294, 0.4755

Deuteranopia

27.4321, 0.4713, 0.4640



Tritanopia

27.4765, 0.5418, 0.3265

Trichromacy



Original Color

27.4902, 0.5889, 0.3643

Protanomaly

25.6050, 0.4966, 0.4285

Deuteranomaly

26.1478, 0.5219, 0.4211

Tritanomaly

27.3131, 0.5665, 0.3446

Monochromacy



Original Color

27.4902, 0.5889, 0.3643

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.0557, 0.4310, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4902, 0.5889, 0.3643 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, 18)` looks like.

```
.text, #text, p{  
  color:rgb(255, 83, 18)  
}
```

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, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 18) }
```

Border

The CSS property to change the border of an element to Yxy 27.4902, 0.5889, 0.3643 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, 18) }
```

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

```
.border{ border-color:rgb(255, 83, 18) }
```

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, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4902, 0.5889, 0.3643 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, 18) }
```

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

```
.background{ background-color: rgb(255, 83,  
18) }
```

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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