

Converting Colors

$Y_{xy}(29.4953, 0.5656, 0.3650)$

Have a look what the booklet for
Yxy(29.4953, 0.5656, 0.3650)
contains.

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Color

Yxy(29.4398, 0.5662, 0.3649)

Conversions

Conversions Part 1

Format	Color
Hex	FF5E2B
RGB	255, 94, 43
RGB Percent	100%, 37%, 17%
CMY	0.0000, 0.6314, 0.8314
CMYK	0.00, 0.63, 0.83, 0.00
HSL	14°, 100%, 58%
HSV	14°, 83%, 100%
XYZ	45.6805, 29.4398, 5.5588
YIQ	136.3250, 112.3270, 18.2710

Conversions

Conversions Part 2

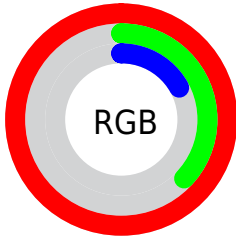
Format	Color
R _Y B	255, 110, 43
Decimal	16735787
CIE Lab	61.17, 59.03, 58.85
CIE LCh	61, 83.358, 44.913
Yxy	29.4398, 0.5662, 0.3649
Android (android.graphics.Color)	4294925867 (0xFFFF5E2B)
YUV	136.3250, -46.0092, 104.0780
Hunter-Lab	54.2585, 55.3279, 31.9066

Details

The Yxy color **29.4398, 0.5662, 0.3649** 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 **50.9108, 0.2096, 0.2626**, and the grayscale version is **24.8929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8808, 0.4741, 0.3841**, and **12.0349, 0.6225, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **26.2854, 0.5969, 0.3579**, and if you desaturate by 10%, it is **33.5756, 0.5284, 0.3677**.

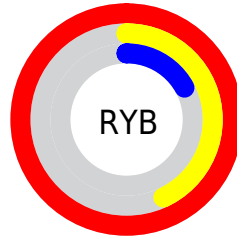
Distribution



Red (100%)

Green (37%)

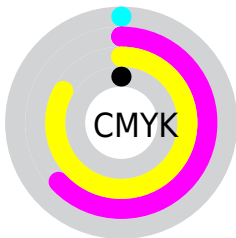
Blue (17%)



Red (100%)

Yellow (43%)

Blue (17%)

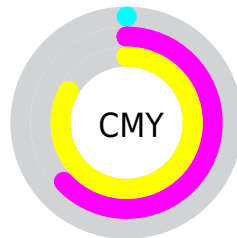


Cyan (0%)

Magenta (63%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (63%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4398, 0.5662, 0.3649 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 29.4398, 0.5662, 0.3649 by changing the saturation by 10% instead.


 29.4398, 0.5662,
0.3649


 29.4398, 0.5662,
0.3649


299.2844, 0.4373,
0.3633

 19.4138, 0.5949,
0.3587


 58.7751, 0.5211,
0.3692

 11.9696, 0.6283,
0.3471


 78.8532, 0.5035,
0.3693


 6.7230, 0.6713,
0.3287


 103.0508, 0.4883,
0.3688

 3.2895, 0.7090,
0.2910

 131.7522, 0.4753,
0.3679

 1.2847, 0.7638,
0.2362

 165.3419, 0.4639,
0.3668

 0.1293, 0.9326,
0.0674

 204.2042, 0.4539,

 0.0000, 1.0000,

0.3657

0.0000

248.7236, 0.4451,
0.3645

■ 0.0000, 0.0000,
0.0000

■ 29.4398, 0.5662,
0.3649

■ 29.4398, 0.5662,
0.3649

■ 26.2854, 0.5969,
0.3579

■ 33.5756, 0.5284,
0.3677

■ 24.6362, 0.6128,
0.3517

■ 38.7694, 0.4881,
0.3667

■ 45.0909, 0.4493,
0.3628

■ 52.6033, 0.4141,
0.3571

■ 61.3650, 0.3835,
0.3505

71.4302, 0.3575,
0.3437

82.8501, 0.3358,
0.3371

95.6729, 0.3177,
0.3309

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.



29.4398, 0.5259, 0.2887



29.4398, 0.5662, 0.3649



29.4398, 0.5184, 0.4513

Triad

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



29.4398, 0.5662, 0.3649



29.4398, 0.2017, 0.4873



29.4398, 0.1724, 0.1503

Complementary

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



29.4398, 0.5662, 0.3649



50.9108, 0.2096, 0.2626

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.



29.4398, 0.1237, 0.1593



29.4398, 0.5662, 0.3649



29.4398, 0.1326, 0.3206

Square

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



29.4398, 0.5662, 0.3649



29.4398, 0.3086, 0.5823



29.4398, 0.1103, 0.2085



29.4398, 0.2660, 0.1716

Rectangle

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



29.4398, 0.5662, 0.3649



29.4398, 0.4571, 0.5133



29.4398, 0.1103, 0.2085



29.4398, 0.1517, 0.1497

Sweetspot

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



29.4403, 0.5662, 0.3649



69.4600, 0.3620, 0.3450



27.4201, 0.3767, 0.1942



14.0966, 0.3709, 0.3474



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.



29.4403, 0.5662, 0.3649



24.6362, 0.6128, 0.3517



62.0344, 0.4591, 0.4595



18.6966, 0.3288, 0.3348



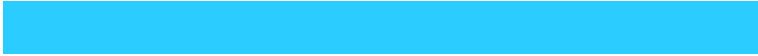
13.0644, 0.6101, 0.3538



1.4330, 0.5885, 0.3709

Inverse Universe

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



50.9108, 0.2096, 0.2626



45.6430, 0.2021, 0.2476



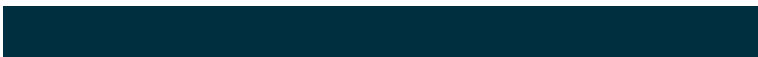
16.7564, 0.1721, 0.1224



19.6971, 0.2980, 0.3231



24.0935, 0.2025, 0.2491



2.5149, 0.2054, 0.2592

Previews

White Background



This preview shows how the Yxy color 29.4398, 0.5662, 0.3649 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 29.4398, 0.5662, 0.3649 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 29.4398, 0.5662, 0.3649

Background



This preview shows how black text looks on a background with the Yxy color 29.4398, 0.5662, 0.3649.



This preview shows how white text looks on a background with the Yxy color 29.4398, 0.5662, 0.3649.

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

29.4398, 0.5662, 0.3649

Protanopia

29.4745, 0.4164, 0.4572

Deuteranopia

29.3869, 0.4666, 0.4565



Tritanopia

29.3986, 0.5196, 0.3253

Trichromacy



Original Color

29.4398, 0.5662, 0.3649

Protanomaly

27.6920, 0.4774, 0.4180

Deuteranomaly

28.2619, 0.5095, 0.4176

Tritanomaly

29.2640, 0.5407, 0.3419

Monochromacy



Original Color

29.4398, 0.5662, 0.3649

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.2178, 0.4103, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4398, 0.5662, 0.3649 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, 94, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 43)  
}
```

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, 94, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 43) }
```

Border

The CSS property to change the border of an element to Yxy 29.4398, 0.5662, 0.3649 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, 94, 43) }
```

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

```
.border{ border-color:rgb(255, 94, 43) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 94, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4398, 0.5662, 0.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 43) }
```

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

```
.background{ background-color: rgb(255, 94,  
43) }
```

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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