

Converting Colors

$Y_{xy}(29.3618, 0.5642, 0.3625)$

Have a look what the booklet for
Yxy(29.3618, 0.5642, 0.3625)
contains.

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Color

Yxy(29.2939, 0.5645, 0.3621)

Conversions

Conversions Part 1

Format	Color
Hex	FF5D2F
RGB	255, 93, 47
RGB Percent	100%, 36%, 18%
CMY	0.0000, 0.6353, 0.8156
CMYK	0.00, 0.64, 0.82, 0.00
HSL	13°, 100%, 59%
HSV	13°, 82%, 100%
XYZ	45.6681, 29.2939, 5.9381
YIQ	136.1940, 111.3180, 20.0380

Conversions

Conversions Part 2

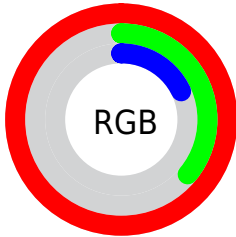
Format	Color
R _Y B	255, 106, 47
Decimal	16735535
CIE Lab	61.04, 59.55, 56.98
CIE LCh	61, 82.419, 43.739
Yxy	29.2939, 0.5645, 0.3621
Android (android.graphics.Color)	4294925615 (0xFFFF5D2F)
YUV	136.1940, -43.9726, 104.1929
Hunter-Lab	54.1238, 55.8962, 31.3818

Details

The Yxy color **29.2939, 0.5645, 0.3621** 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 **53.4291, 0.2121, 0.2696**, and the grayscale version is **24.8359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6180, 0.4723, 0.3805**, and **11.9271, 0.6241, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **26.1005, 0.5969, 0.3559**, and if you desaturate by 10%, it is **33.5157, 0.5253, 0.3644**.

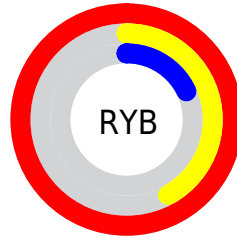
Distribution



Red (100%)

Green (36%)

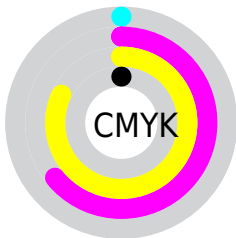
Blue (18%)



Red (100%)

Yellow (42%)

Blue (18%)

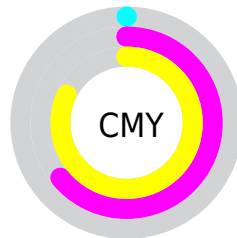


Cyan (0%)

Magenta (64%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (64%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2939, 0.5645, 0.3621 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 29.2939, 0.5645, 0.3621 by changing the saturation by 10% instead.


 29.2939, 0.5645,
0.3621


 29.2939, 0.5645,
0.3621


298.5991, 0.4358,
0.3612

 19.3033, 0.5935,
0.3560


 58.5437, 0.5192,
0.3664

 11.8896, 0.6276,
0.3445


 78.5717, 0.5015,
0.3666


 6.6686, 0.6730,
0.3270


 102.7142, 0.4864,
0.3662

 3.2557, 0.7110,
0.2890

 131.3557, 0.4734,
0.3654

 1.2666, 0.7663,
0.2337

 164.8805, 0.4621,
0.3645

 0.1151, 0.9395,
0.0605

 203.6731, 0.4522,

 0.0000, 1.0000,

0.3634

0.0000

248.1179, 0.4435,
0.3623

■ 0.0000, 0.0000,
0.0000

■ 29.2939, 0.5645,
0.3621

■ 29.2939, 0.5645,
0.3621

■ 26.1005, 0.5969,
0.3559

■ 33.5157, 0.5253,
0.3644


■ 24.1263, 0.6166,
0.3486

■ 38.8434, 0.4842,
0.3631


■ 45.3518, 0.4450,
0.3593

■ 53.1079, 0.4099,
0.3539

■ 62.1731, 0.3796,
0.3478

 72.6049, 0.3540,
0.3416

 84.4575, 0.3328,
0.3355

 97.7817, 0.3152,
0.3298

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.



29.2939, 0.5203, 0.2864



29.2939, 0.5645, 0.3621



29.2939, 0.5203, 0.4475

Triad

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



29.2939, 0.5645, 0.3621



29.2939, 0.2065, 0.4916



29.2939, 0.1707, 0.1513

Complementary

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



29.2939, 0.5645, 0.3621



53.4291, 0.2121, 0.2696

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.



29.2939, 0.1237, 0.1616



29.2939, 0.5645, 0.3621



29.2939, 0.1358, 0.3268

Square

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



29.2939, 0.5645, 0.3621



29.2939, 0.3136, 0.5803



29.2939, 0.1117, 0.2126



29.2939, 0.2619, 0.1713

Rectangle

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



29.2939, 0.5645, 0.3621



29.2939, 0.4605, 0.5089



29.2939, 0.1117, 0.2126



29.2939, 0.1507, 0.1511

Sweetspot

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



29.2955, 0.5645, 0.3621



69.9335, 0.3598, 0.3431



27.9442, 0.3708, 0.1923



14.1649, 0.3688, 0.3453



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.



29.2955, 0.5645, 0.3621



24.5409, 0.6123, 0.3503



60.9772, 0.4600, 0.4561



18.6383, 0.3289, 0.3343



12.7855, 0.6140, 0.3507



1.3983, 0.5929, 0.3674

Inverse Universe

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



53.4291, 0.2121, 0.2696



48.4403, 0.2047, 0.2562



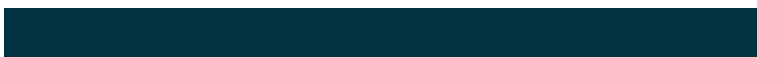
18.1213, 0.1749, 0.1301



19.7598, 0.2980, 0.3236



25.2541, 0.2044, 0.2559



2.6189, 0.2070, 0.2652

Previews

White Background



This preview shows how the Yxy color 29.2939, 0.5645, 0.3621 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 29.2939, 0.5645, 0.3621 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 29.2939, 0.5645, 0.3621

Background



This preview shows how black text looks on a background with the Yxy color 29.2939, 0.5645, 0.3621.



This preview shows how white text looks on a background with the Yxy color 29.2939, 0.5645, 0.3621.

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

29.2939, 0.5645, 0.3621

Protanopia

29.4201, 0.4117, 0.4525

Deuteranopia

29.2942, 0.4629, 0.4539



Tritanopia

29.2129, 0.5215, 0.3253

Trichromacy



Original Color

29.2939, 0.5645, 0.3621

Protanomaly

27.6041, 0.4725, 0.4143

Deuteranomaly

28.1484, 0.5056, 0.4151

Tritanomaly

29.1082, 0.5405, 0.3403

Monochromacy



Original Color

29.2939, 0.5645, 0.3621

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.0161, 0.4084, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2939, 0.5645, 0.3621 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, 93, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 47)  
}
```

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, 93, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 47) }
```

Border

The CSS property to change the border of an element to Yxy 29.2939, 0.5645, 0.3621 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, 93, 47) }
```

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

```
.border{ border-color:rgb(255, 93, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 93, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2939, 0.5645, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 47) }
```

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

```
.background{ background-color: rgb(255, 93,  
47) }
```

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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