

Converting Colors

$Y_{xy}(29.7221, 0.5628, 0.3648)$

Have a look what the booklet for
Yxy(29.7221, 0.5628, 0.3648)
contains.

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Color

Yxy(29.6417, 0.5633, 0.3643)

Conversions

Conversions Part 1

Format	Color
Hex	FF5F2E
RGB	255, 95, 46
RGB Percent	100%, 37%, 18%
CMY	0.0000, 0.6275, 0.8196
CMYK	0.00, 0.63, 0.82, 0.00
HSL	14°, 100%, 59%
HSV	14°, 82%, 100%
XYZ	45.8336, 29.6417, 5.8909
YIQ	137.2540, 111.0890, 18.6810

Conversions

Conversions Part 2

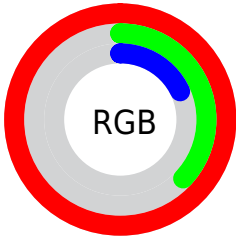
Format	Color
R _Y B	255, 110, 46
Decimal	16736046
CIE Lab	61.34, 58.71, 57.71
CIE LCh	61, 82.324, 44.507
Yxy	29.6417, 0.5633, 0.3643
Android (android.graphics.Color)	4294926126 (0xFFFF5F2E)
YUV	137.2540, -44.9882, 103.2632
Hunter-Lab	54.4442, 54.9920, 31.6957

Details

The Yxy color **29.6417, 0.5633, 0.3643** 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 **51.9565, 0.2108, 0.2655**, and the grayscale version is **25.2543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2377, 0.4716, 0.3834**, and **12.0912, 0.6216, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **26.4063, 0.5952, 0.3578**, and if you desaturate by 10%, it is **33.8700, 0.5247, 0.3667**.

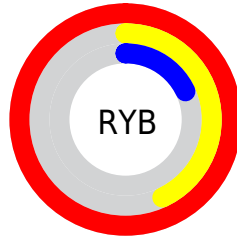
Distribution



Red (100%)

Green (37%)

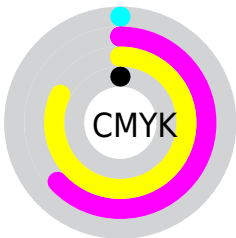
Blue (18%)



Red (100%)

Yellow (43%)

Blue (18%)

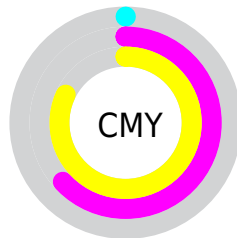


Cyan (0%)

Magenta (63%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (63%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6417, 0.5633, 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 29.6417, 0.5633, 0.3643 by changing the saturation by 10% instead.


 29.6417, 0.5633,
0.3643


 29.6417, 0.5633,
0.3643


300.2307, 0.4356,
0.3624


 19.5668, 0.5920,
0.3584


 59.0951, 0.5185,
0.3683


 12.0805, 0.6255,
0.3472


 79.2423, 0.5010,
0.3683


 6.7985, 0.6699,
0.3301


 103.5158, 0.4860,
0.3678

 3.3364, 0.7073,
0.2927

 132.3000, 0.4730,
0.3669

 1.3098, 0.7617,
0.2383

 165.9791, 0.4618,
0.3659

 0.1488, 0.9240,
0.0760

 204.9377, 0.4520,

 0.0000, 1.0000,

0.3647

0.0000

249.5601, 0.4433,
0.3636

■ 0.0000, 0.0000,
0.0000

■ 29.6417, 0.5633,
0.3643

■ 29.6417, 0.5633,
0.3643

■ 26.4063, 0.5952,
0.3578

■ 33.8700, 0.5247,
0.3667

■ 24.4660, 0.6140,
0.3506

■ 39.1812, 0.4842,
0.3653


■ 45.6416, 0.4454,
0.3613

■ 53.3152, 0.4105,
0.3556

■ 62.2610, 0.3803,
0.3492

 72.5342, 0.3548,
0.3426

 84.1865, 0.3335,
0.3362

 97.2669, 0.3158,
0.3301

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.



29.6417, 0.5217, 0.2885



29.6417, 0.5633, 0.3643



29.6417, 0.5177, 0.4497

Triad

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



29.6417, 0.5633, 0.3643



29.6417, 0.2047, 0.4867



29.6417, 0.1730, 0.1520

Complementary

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



29.6417, 0.5633, 0.3643



51.9565, 0.2108, 0.2655

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.



29.6417, 0.1251, 0.1615



29.6417, 0.5633, 0.3643



29.6417, 0.1353, 0.3231

Square

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



29.6417, 0.5633, 0.3643



29.6417, 0.3109, 0.5786



29.6417, 0.1123, 0.2112



29.6417, 0.2651, 0.1728

Rectangle

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



29.6417, 0.5633, 0.3643



29.6417, 0.4577, 0.5107



29.6417, 0.1123, 0.2112



29.6417, 0.1526, 0.1516

Sweetspot

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



29.6379, 0.5633, 0.3643



69.2660, 0.3621, 0.3446



27.6821, 0.3756, 0.1948



14.0513, 0.3710, 0.3469



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.



29.6379, 0.5633, 0.3643



24.8996, 0.6097, 0.3524



62.4277, 0.4575, 0.4590



18.6777, 0.3289, 0.3346



12.9715, 0.6114, 0.3528



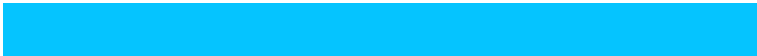
1.4215, 0.5900, 0.3698

Inverse Universe

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



51.9565, 0.2108, 0.2655



46.9322, 0.2034, 0.2516



17.2522, 0.1734, 0.1252



19.7173, 0.2980, 0.3233



24.4647, 0.2031, 0.2513



2.5482, 0.2059, 0.2612

Previews

White Background



This preview shows how the Yxy color 29.6417, 0.5633, 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 29.6417, 0.5633, 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 29.6417, 0.5633, 0.3643

Background



This preview shows how black text looks on a background with the Yxy color 29.6417, 0.5633, 0.3643.



This preview shows how white text looks on a background with the Yxy color 29.6417, 0.5633, 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

29.6417, 0.5633, 0.3643

Protanopia

29.8205, 0.4134, 0.4552

Deuteranopia

29.7083, 0.4631, 0.4547



Tritanopia

29.5867, 0.5176, 0.3252

Trichromacy



Original Color

29.6417, 0.5633, 0.3643

Protanomaly

27.9821, 0.4740, 0.4167

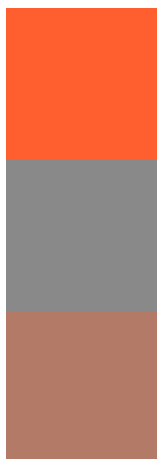
Deuteranomaly

28.5397, 0.5057, 0.4162

Tritanomaly

29.4644, 0.5378, 0.3412

Monochromacy



Original Color

29.6417, 0.5633, 0.3643

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.6218, 0.4083, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6417, 0.5633, 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, 95, 46)` looks like.

```
.text, #text, p{  
  color:rgb(255, 95, 46)  
}
```

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, 95, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 95, 46) }
```

Border

The CSS property to change the border of an element to Yxy 29.6417, 0.5633, 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, 95, 46) }
```

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

```
.border{ border-color:rgb(255, 95, 46) }
```

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

Here you see how a box with a 4 pixel rgb(255, 95, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 95, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 95, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 95,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6417, 0.5633, 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, 95, 46) }
```

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

```
.background{ background-color: rgb(255, 95,  
46) }
```

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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