

Converting Colors

$Y_{xy}(28.7223, 0.5700, 0.3612)$

Have a look what the booklet for
Yxy(28.7223, 0.5700, 0.3612)
contains.

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Color

$\text{Yxy}(28.7467, 0.5700, 0.3615)$

Conversions

Conversions Part 1

Format	Color
Hex	FF5A2B
RGB	255, 90, 43
RGB Percent	100%, 35%, 17%
CMY	0.0001, 0.6469, 0.8313
CMYK	0.00, 0.65, 0.83, 0.00
HSL	13°, 100%, 58%
HSV	13°, 83%, 100%
XYZ	45.3267, 28.7467, 5.4472
YIQ	133.9770, 113.4270, 20.3630

Conversions

Conversions Part 2

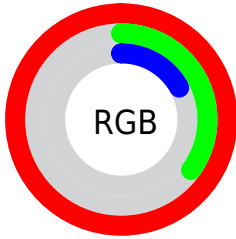
Format	Color
R _Y B	255, 103, 43
Decimal	16734763
CIE Lab	60.56, 60.65, 58.30
CIE LCh	61, 84.128, 43.869
Yxy	28.7467, 0.5700, 0.3615
Android (android.graphics.Color)	4294924843 (0xFFFF5A2B)
YUV	133.9770, -44.8517, 106.1372
Hunter-Lab	53.6159, 57.0754, 31.5075

Details

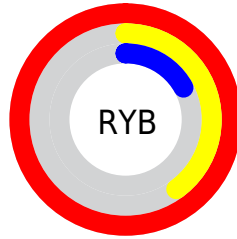
The Yxy color **28.7467, 0.5700, 0.3615** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **52.8283, 0.2111, 0.2681**, and the grayscale version is **23.9735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9178, 0.4774, 0.3819**, and **11.6424, 0.6286, 0.3391** is the 20% darker color. If you saturate the color by 10%, you get **25.7022, 0.6009, 0.3547**, and if you desaturate by 10%, it is **32.8047, 0.5316, 0.3644**.

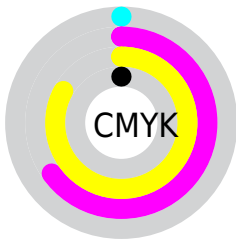
Distribution



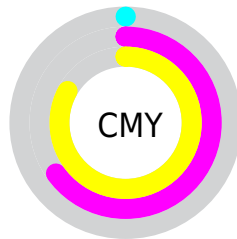
- Red (100%)
- Green (35%)
- Blue (17%)



- Red (100%)
- Yellow (40%)
- Blue (17%)



- Cyan (0%)
- Magenta (65%)
- Yellow (83%)
- Black (0%)




- Cyan (0%)
- Magenta (65%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7467, 0.5700, 0.3615 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 28.7467, 0.5700, 0.3615 by changing the saturation by 10% instead.


 28.7467, 0.5700,
0.3615


 28.7467, 0.5700,
0.3615


296.0179, 0.4387,
0.3619


 18.8893, 0.5993,
0.3547


 57.6744, 0.5240,
0.3665

 11.5903, 0.6337,
0.3423


 77.5135, 0.5060,
0.3669

 6.4654, 0.6773,
0.3227


 101.4486, 0.4905,
0.3666

 3.1301, 0.7163,
0.2837

 129.8640, 0.4772,
0.3660

 1.2000, 0.7729,
0.2271

 163.1443, 0.4657,
0.3651

 0.0617, 0.9659,
0.0341

 201.6738, 0.4555,

 0.0000, 1.0000,

0.3640

0.0000

245.8369, 0.4466,
0.3630

■ 0.0000, 0.0000,
0.0000

■ 28.7467, 0.5700,
0.3615

■ 28.7467, 0.5700,
0.3615

■ 25.7022, 0.6009,
0.3547

■ 32.8047, 0.5316,
0.3644

■ 24.1381, 0.6165,
0.3487


■ 37.9547, 0.4905,
0.3636


■ 44.2730, 0.4509,
0.3601

■ 51.8268, 0.4150,
0.3549

■ 60.6785, 0.3840,
0.3488

 70.8860, 0.3577,
0.3426

 82.5036, 0.3359,
0.3365

 95.5828, 0.3177,
0.3307

99.9958, 0.3127,
0.3290

Harmonies

Analogous

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



28.7467, 0.5261, 0.2851



28.7467, 0.5700, 0.3615



28.7467, 0.5232, 0.4483

Triad

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



28.7467, 0.5700, 0.3615



28.7467, 0.2030, 0.4960



28.7467, 0.1681, 0.1481

Complementary

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



28.7467, 0.5700, 0.3615



52.8283, 0.2111, 0.2681

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.



28.7467, 0.1205, 0.1581



28.7467, 0.5700, 0.3615



28.7467, 0.1318, 0.3254

Square

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



28.7467, 0.5700, 0.3615



28.7467, 0.3116, 0.5874



28.7467, 0.1081, 0.2092



28.7467, 0.2610, 0.1685

Rectangle

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



28.7467, 0.5700, 0.3615



28.7467, 0.4616, 0.5116



28.7467, 0.1081, 0.2092



28.7467, 0.1478, 0.1478

Sweetspot

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



28.7484, 0.5700, 0.3615



68.8818, 0.3623, 0.3438



27.5914, 0.3721, 0.1915



13.9616, 0.3713, 0.3460



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.



28.7484, 0.5700, 0.3615



24.1428, 0.6165, 0.3487



60.4266, 0.4623, 0.4567



18.6402, 0.3289, 0.3343



12.7946, 0.6139, 0.3508



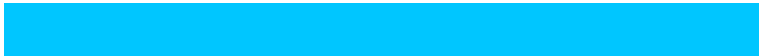
1.3995, 0.5928, 0.3675

Inverse Universe

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



52.8283, 0.2111, 0.2681



47.8105, 0.2040, 0.2544



17.4484, 0.1731, 0.1264



19.7576, 0.2980, 0.3236



25.2142, 0.2044, 0.2557



2.6154, 0.2070, 0.2650

Previews

White Background



This preview shows how the Yxy color 28.7467, 0.5700, 0.3615 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 28.7467, 0.5700, 0.3615 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 28.7467, 0.5700, 0.3615

Background



This preview shows how black text looks on a background with the Yxy color 28.7467, 0.5700, 0.3615.



This preview shows how white text looks on a background with the Yxy color 28.7467, 0.5700, 0.3615.

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

28.7467, 0.5700, 0.3615

Protanopia

28.9595, 0.4144, 0.4563

Deuteranopia

28.8455, 0.4658, 0.4569



Tritanopia

28.8317, 0.5266, 0.3262

Trichromacy



Original Color

28.7467, 0.5700, 0.3615

Protanomaly

26.9145, 0.4770, 0.4159

Deuteranomaly

27.4753, 0.5103, 0.4165

Tritanomaly

28.7339, 0.5453, 0.3408

Monochromacy



Original Color

28.7467, 0.5700, 0.3615

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.3614, 0.4123, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7467, 0.5700, 0.3615 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, 90, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 90, 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, 90, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 90, 43) }
```

Border

The CSS property to change the border of an element to Yxy 28.7467, 0.5700, 0.3615 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, 90, 43) }
```

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

```
.border{ border-color:rgb(255, 90, 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, 90, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 90, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 90, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 90,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7467, 0.5700, 0.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 90, 43) }
```

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

```
.background{ background-color: rgb(255, 90,  
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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