

Converting Colors

$Y_{xy}(29.6574, 0.5482, 0.3517)$

Have a look what the booklet for
Yxy(29.6574, 0.5482, 0.3517)
contains.

Yxy(29.6588, 0.5482, 0.3517)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.6588, 0.5482, 0.3517)

Conversions

Conversions Part 1

Format	Color
Hex	FF5E42
RGB	255, 94, 66
RGB Percent	100%, 37%, 26%
CMY	0.0000, 0.6314, 0.7412
CMYK	0.00, 0.63, 0.74, 0.00
HSL	9°, 100%, 63%
HSV	9°, 74%, 100%
XYZ	46.2296, 29.6588, 8.4414
YIQ	138.9470, 104.9440, 25.4240

Conversions

Conversions Part 2

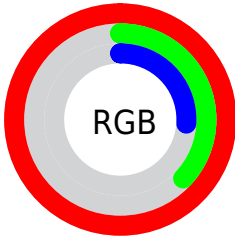
Format	Color
R_{YB}	255, 99, 66
Decimal	16735810
CIE _{Lab}	61.36, 59.77, 48.10
CIE _{LCh}	61, 76.721, 38.822
Yxy	29.6588, 0.5482, 0.3517
Android (android.graphics.Color)	4294925890 (0xFFFF5E42)
YUV	138.9470, -35.9629, 101.7785
Hunter-Lab	54.4599, 56.2193, 28.9318

Details

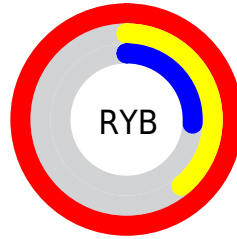
The Yxy color **29.6588, 0.5482, 0.3517** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed red. A complement of this color would be **63.3152, 0.2218, 0.2940**, and the grayscale version is **25.9064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3336, 0.4540, 0.3640**, and **12.1564, 0.6132, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **26.0869, 0.5876, 0.3486**, and if you desaturate by 10%, it is **34.4499, 0.5044, 0.3520**.

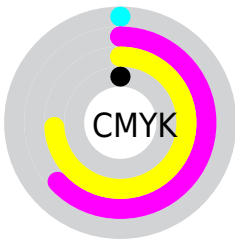
Distribution



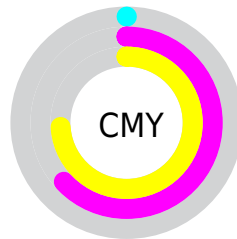
- Red (100%)
- Green (37%)
- Blue (26%)



- Red (100%)
- Yellow (39%)
- Blue (26%)



- Cyan (0%)
- Magenta (63%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (63%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6588, 0.5482, 0.3517 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 29.6588, 0.5482, 0.3517 by changing the saturation by 10% instead.


 29.6588, 0.5482,
0.3517


 29.6588, 0.5482,
0.3517


300.3108, 0.4254,
0.3525

 19.5798, 0.5776,
0.3465


 59.1222, 0.5039,
0.3555


 12.0899, 0.6133,
0.3370


 79.2753, 0.4870,
0.3559


 6.8050, 0.6593,
0.3210


 103.5552, 0.4727,
0.3557

 3.3404, 0.7102,
0.2898

 132.3463, 0.4604,
0.3553

 1.3119, 0.7648,
0.2352

 166.0331, 0.4499,
0.3547

 0.1504, 0.9250,
0.0750

204.9998, 0.4407,


 0.0000, 1.0000,


0.3540


0.0000


249.6309, 0.4326,
0.3532


 0.0000, 0.0000,
0.0000


 29.6588, 0.5482,
0.3517

 29.6588, 0.5482,
0.3517


 26.0869, 0.5876,
0.3486


 34.4499, 0.5044,
0.3520


 23.6232, 0.6168,
0.3429

 40.5611, 0.4614,
0.3501

 22.6322, 0.6284,
0.3392

 48.0802, 0.4226,
0.3468

 57.0879, 0.3891,
0.3428

 67.6589, 0.3612,
0.3386

 79.8626, 0.3382,
0.3344

 93.7644, 0.3194,
0.3305

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.



29.6588, 0.4905, 0.2791



29.6588, 0.5482, 0.3517



29.6588, 0.5214, 0.4317

Triad

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



29.6588, 0.5482, 0.3517



29.6588, 0.2301, 0.4995



29.6588, 0.1686, 0.1599

Complementary

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



29.6588, 0.5482, 0.3517



63.3152, 0.2218, 0.2940

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.



29.6588, 0.1290, 0.1760



29.6588, 0.5482, 0.3517



29.6588, 0.1543, 0.3519

Square

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



29.6588, 0.5482, 0.3517



29.6588, 0.3349, 0.5622



29.6588, 0.1231, 0.2343



29.6588, 0.2485, 0.1745

Rectangle

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



29.6588, 0.5482, 0.3517



29.6588, 0.4708, 0.4884



29.6588, 0.1231, 0.2343



29.6588, 0.1513, 0.1615

Sweetspot

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



29.6581, 0.5482, 0.3517



70.1071, 0.3559, 0.3377



30.8577, 0.3462, 0.1860



14.3382, 0.3627, 0.3388



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.



29.6581, 0.5482, 0.3517



24.7539, 0.6034, 0.3461



56.6440, 0.4619, 0.4381



18.4212, 0.3291, 0.3326



11.9553, 0.6264, 0.3408



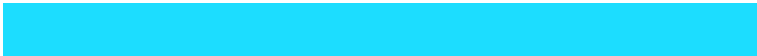
1.2867, 0.6080, 0.3555

Inverse Universe

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



63.3152, 0.2218, 0.2940



59.3795, 0.2143, 0.2860



25.7889, 0.1897, 0.1687



19.9957, 0.2980, 0.3254



29.9370, 0.2114, 0.2812



3.0342, 0.2131, 0.2872

Previews

White Background



This preview shows how the Yxy color 29.6588, 0.5482, 0.3517 looks on a white background.

Color Contrast Check

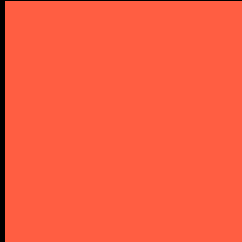
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6588, 0.5482, 0.3517 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 29.6588, 0.5482, 0.3517

Background



This preview shows how black text looks on a background with the Yxy color 29.6588, 0.5482, 0.3517.



This preview shows how white text looks on a background with the Yxy color 29.6588, 0.5482, 0.3517.

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

29.6588, 0.5482, 0.3517

Protanopia

29.9060, 0.3926, 0.4283

Deuteranopia

29.6399, 0.4470, 0.4384



Tritanopia

29.5867, 0.5176, 0.3252

Trichromacy



Original Color

29.6588, 0.5482, 0.3517

Protanomaly

27.9721, 0.4522, 0.3959

Deuteranomaly

28.4327, 0.4883, 0.4015

Tritanomaly

29.5702, 0.5301, 0.3356

Monochromacy



Original Color

29.6588, 0.5482, 0.3517

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.1595, 0.3988, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6588, 0.5482, 0.3517 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 66) }
```

Border

The CSS property to change the border of an element to Yxy 29.6588, 0.5482, 0.3517 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, 66) }
```

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

```
.border{ border-color:rgb(255, 94, 66) }
```

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, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6588, 0.5482, 0.3517 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, 66) }
```

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

```
.background{ background-color: rgb(255, 94,  
66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor