

Converting Colors

$Y_{xy}(29.1187, 0.5628, 0.3590)$

Have a look what the booklet for
Yxy(29.1187, 0.5628, 0.3590)
contains.

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Color

Yxy(29.1533, 0.5626, 0.3592)

Conversions

Conversions Part 1

Format	Color
Hex	FF5C33
RGB	255, 92, 51
RGB Percent	100%, 36%, 20%
CMY	0.0000, 0.6391, 0.8002
CMYK	0.00, 0.64, 0.80, 0.00
HSL	12°, 100%, 60%
HSV	12°, 80%, 100%
XYZ	45.6616, 29.1533, 6.3468
YIQ	136.0630, 110.3090, 21.8050

Conversions

Conversions Part 2

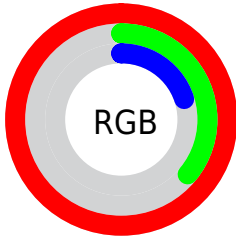
Format	Color
R_{YB}	255, 102, 51
Decimal	16735283
CIE _{Lab}	60.92, 60.06, 55.07
CIE _{LCh}	61, 81.485, 42.517
Yxy	29.1533, 0.5626, 0.3592
Android (android.graphics.Color)	4294925363 (0xFFFF5C33)
YUV	136.0630, -41.9361, 104.3077
Hunter-Lab	53.9938, 56.4652, 30.8263

Details

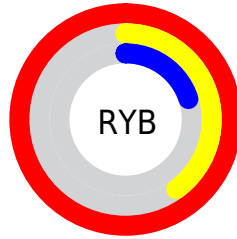
The Yxy color **29.1533, 0.5626, 0.3592** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **55.9755, 0.2145, 0.2764**, and the grayscale version is **24.7760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3794, 0.4695, 0.3759**, and **11.8259, 0.6257, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **25.9208, 0.5965, 0.3537**, and if you desaturate by 10%, it is **33.4607, 0.5221, 0.3610**.

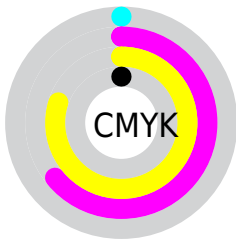
Distribution



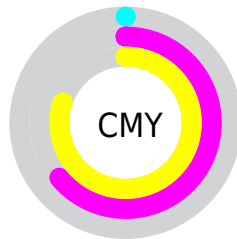
- Red (100%)
- Green (36%)
- Blue (20%)



- Red (100%)
- Yellow (40%)
- Blue (20%)



- Cyan (0%)
- Magenta (64%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1533, 0.5626, 0.3592 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 29.1533, 0.5626, 0.3592 by changing the saturation by 10% instead.

 29.1533, 0.5626,
0.3592


 29.1533, 0.5626,
0.3592


297.9376, 0.4341,
0.3591

 19.1968, 0.5920,
0.3531


 58.3206, 0.5171,
0.3636


 11.8126, 0.6267,
0.3418


 78.3001, 0.4995,
0.3639

 6.6162, 0.6747,
0.3253


 102.3895, 0.4844,
0.3636

 3.2233, 0.7130,
0.2870

 130.9731, 0.4715,
0.3629

 1.2494, 0.7687,
0.2313

 164.4353, 0.4603,
0.3621

 0.1015, 0.9463,
0.0537

 203.1606, 0.4504,

 0.0000, 1.0000,

0.3611

0.0000

247.5332, 0.4418,
0.3601

■ 0.0000, 0.0000,
0.0000

■ 29.1533, 0.5626,
0.3592

■ 29.1533, 0.5626,
0.3592

■ 25.9208, 0.5965,
0.3537

■ 33.4607, 0.5221,
0.3610

■ 23.6545, 0.6202,
0.3457


■ 38.9247, 0.4803,
0.3596

■ 45.6247, 0.4408,
0.3559

■ 53.6313, 0.4058,
0.3509

■ 63.0097, 0.3758,
0.3453

 73.8207, 0.3507,
0.3396

 86.1215, 0.3299,
0.3341

99.9659, 0.3127,
0.3290

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



29.1533, 0.5146, 0.2840



29.1533, 0.5626, 0.3592



29.1533, 0.5221, 0.4436

Triad

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



29.1533, 0.5626, 0.3592



29.1533, 0.2115, 0.4958



29.1533, 0.1691, 0.1522

Complementary

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



29.1533, 0.5626, 0.3592



55.9755, 0.2145, 0.2764

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.



29.1533, 0.1238, 0.1639



29.1533, 0.5626, 0.3592



29.1533, 0.1390, 0.3331

Square

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



29.1533, 0.5626, 0.3592



29.1533, 0.3187, 0.5782



29.1533, 0.1132, 0.2170



29.1533, 0.2578, 0.1710

Rectangle

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



29.1533, 0.5626, 0.3592



29.1533, 0.4640, 0.5044



29.1533, 0.1132, 0.2170



29.1533, 0.1497, 0.1525

Sweetspot

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



29.1550, 0.5626, 0.3592



69.3457, 0.3601, 0.3418



28.4862, 0.3653, 0.1906



14.0269, 0.3692, 0.3439



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.



29.1550, 0.5626, 0.3592



24.4592, 0.6118, 0.3489



59.9824, 0.4608, 0.4525



18.5790, 0.3289, 0.3339



12.5269, 0.6178, 0.3477



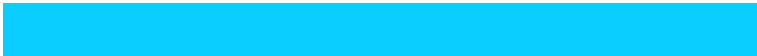
1.3652, 0.5972, 0.3640

Inverse Universe

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



55.9755, 0.2145, 0.2764



51.2967, 0.2073, 0.2646



19.5466, 0.1779, 0.1378



19.8237, 0.2980, 0.3241



26.4749, 0.2064, 0.2629



2.7278, 0.2087, 0.2713

Previews

White Background



This preview shows how the Yxy color 29.1533, 0.5626, 0.3592 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 29.1533, 0.5626, 0.3592 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 29.1533, 0.5626, 0.3592

Background



This preview shows how black text looks on a background with the Yxy color 29.1533, 0.5626, 0.3592.



This preview shows how white text looks on a background with the Yxy color 29.1533, 0.5626, 0.3592.

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

29.1533, 0.5626, 0.3592

Protanopia

29.1533, 0.4096, 0.4468

Deuteranopia

29.2040, 0.4590, 0.4511



Tritanopia

29.1951, 0.5227, 0.3262

Trichromacy



Original Color

29.1533, 0.5626, 0.3592

Protanomaly

27.3860, 0.4703, 0.4094

Deuteranomaly

28.0347, 0.5018, 0.4128

Tritanomaly

29.1224, 0.5394, 0.3395

Monochromacy



Original Color

29.1533, 0.5626, 0.3592

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.0366, 0.4071, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1533, 0.5626, 0.3592 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, 92, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 51)  
}
```

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, 92, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 51) }
```

Border

The CSS property to change the border of an element to Yxy 29.1533, 0.5626, 0.3592 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, 92, 51) }
```

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

```
.border{ border-color:rgb(255, 92, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1533, 0.5626, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 51) }
```

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

```
.background{ background-color: rgb(255, 92,  
51) }
```

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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