

Converting Colors

$Yxy(33.3320, 0.6016, 0.3476)$

Have a look what the booklet for
Yxy(33.3320, 0.6016, 0.3476)
contains.

Yxy(26.2731, 0.5902, 0.3526)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.2731, 0.5902, 0.3526)

Conversions

Conversions Part 1

Format	Color
Hex	FF4A22
RGB	255, 74, 34
RGB Percent	100%, 29%, 13%
CMY	0.0000, 0.7097, 0.8669
CMYK	0.00, 0.71, 0.87, 0.00
HSL	11°, 100%, 57%
HSV	11°, 87%, 100%
XYZ	43.9773, 26.2731, 4.2621
YIQ	123.5590, 120.7160, 25.9320

Conversions

Conversions Part 2

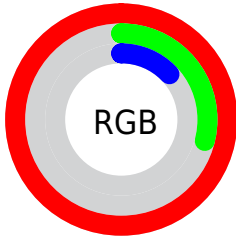
Format	Color
R_{YB}	255, 83, 34
Decimal	16730658
CIE _{Lab}	58.30, 66.48, 60.19
CIE _{LCh}	58, 89.681, 42.154
Yxy	26.2731, 0.5902, 0.3526
Android (android.graphics.Color)	4294920738 (0xFFFF4A22)
YUV	123.5590, -44.1526, 115.2738
Hunter-Lab	51.2573, 63.4475, 30.9501

Details

The Yxy color **26.2731, 0.5902, 0.3526** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **56.1226, 0.2125, 0.2774**, and the grayscale version is **20.1211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6909, 0.4962, 0.3745**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.8372, 0.6169, 0.3455**, and if you desaturate by 10%, it is **29.7452, 0.5532, 0.3568**.

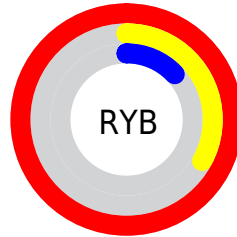
Distribution



Red (100%)

Green (29%)

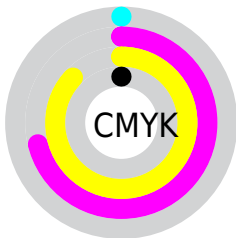
Blue (13%)



Red (100%)

Yellow (33%)

Blue (13%)

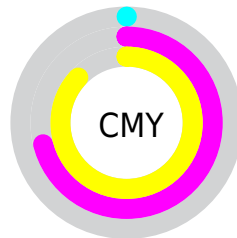


Cyan (0%)

Magenta (71%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (71%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.2731, 0.5902, 0.3526 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 26.2731, 0.5902, 0.3526 by changing the saturation by 10% instead.


 26.2731, 0.5902,
0.3526


 26.2731, 0.5902,
0.3526


284.1201, 0.4482,
0.3602


 17.0281, 0.6214,
0.3430


 53.7152, 0.5407,
0.3611

 10.2545, 0.6593,
0.3276


 72.6810, 0.5212,
0.3626


 5.5680, 0.6996,
0.3004

 95.6559, 0.5045,
0.3631

 2.5842, 0.7433,
0.2567

 123.0243, 0.4900,
0.3630

 0.9187, 0.8059,
0.1941

 155.1705, 0.4775,
0.3625

 0.0000, 1.0000,
0.0000

 192.4789, 0.4665,

 0.0000, 0.0000,

0.3619

0.0000

235.3340, 0.4568,
0.3611

26.2731, 0.5902,
0.3526

26.2731, 0.5902,
0.3526

23.8372, 0.6169,
0.3455

29.7452, 0.5532,
0.3568

23.2317, 0.6236,
0.3431

34.3524, 0.5110,
0.3576

40.1862, 0.4688,
0.3556

47.3273, 0.4299,
0.3518

55.8493, 0.3960,
0.3471

65.8203, 0.3673,
0.3420

77.3038, 0.3435,
0.3369

90.3597, 0.3239,
0.3320

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.



26.2731, 0.5398, 0.2748



26.2731, 0.5902, 0.3526



26.2731, 0.5391, 0.4430

Triad

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



26.2731, 0.5902, 0.3526



26.2731, 0.1971, 0.5256



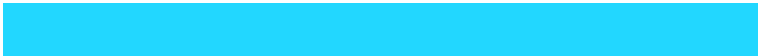
26.2731, 0.1539, 0.1364

Complementary

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



26.2731, 0.5902, 0.3526



56.1226, 0.2125, 0.2774

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.



26.2731, 0.1073, 0.1478



26.2731, 0.5902, 0.3526



26.2731, 0.1210, 0.3324

Square

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



26.2731, 0.5902, 0.3526



26.2731, 0.3122, 0.6135



26.2731, 0.0959, 0.2028



26.2731, 0.2486, 0.1560

Rectangle

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



26.2731, 0.5902, 0.3526



26.2731, 0.4722, 0.5129



26.2731, 0.0959, 0.2028



26.2731, 0.1339, 0.1365

Sweetspot

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



26.2745, 0.5902, 0.3526



66.5634, 0.3655, 0.3416



27.4708, 0.3613, 0.1821



13.4643, 0.3747, 0.3434



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.



26.2745, 0.5902, 0.3526



23.2317, 0.6236, 0.3431



54.5505, 0.4778, 0.4485



18.5194, 0.3290, 0.3334



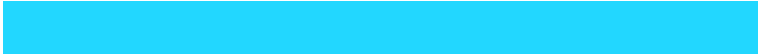
12.2915, 0.6213, 0.3449



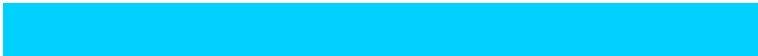
1.3339, 0.6014, 0.3607

Inverse Universe

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



56.1226, 0.2125, 0.2774



52.7101, 0.2080, 0.2687



18.2057, 0.1728, 0.1309



19.8883, 0.2980, 0.3246



27.7448, 0.2083, 0.2698



2.8406, 0.2104, 0.2773

Previews

White Background



This preview shows how the Yxy color 26.2731, 0.5902, 0.3526 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 26.2731, 0.5902, 0.3526 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 26.2731, 0.5902, 0.3526

Background



This preview shows how black text looks on a background with the Yxy color 26.2731, 0.5902, 0.3526.



This preview shows how white text looks on a background with the Yxy color 26.2731, 0.5902, 0.3526.

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

26.2731, 0.5902, 0.3526

Protanopia

26.4481, 0.4189, 0.4615

Deuteranopia

26.2400, 0.4722, 0.4633



Tritanopia

26.2609, 0.5579, 0.3275

Trichromacy



Original Color

26.2731, 0.5902, 0.3526

Protanomaly

24.2419, 0.4917, 0.4137

Deuteranomaly

24.7367, 0.5261, 0.4156

Tritanomaly

26.2105, 0.5728, 0.3386

Monochromacy



Original Color

26.2731, 0.5902, 0.3526

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.8341, 0.4269, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2731, 0.5902, 0.3526 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, 74, 34)` looks like.

```
.text, #text, p{  
    color:rgb(255, 74, 34)  
}
```

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, 74, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 74, 34) }
```

Border

The CSS property to change the border of an element to Yxy 26.2731, 0.5902, 0.3526 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, 74, 34) }
```

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

```
.border{ border-color:rgb(255, 74, 34) }
```

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

Here you see how a box with a 4 pixel rgb(255, 74, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 74, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 74, 34);  
box-shadow:4px 4px 4px 4px rgb(255, 74,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 26.2731, 0.5902, 0.3526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 74, 34) }
```

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

```
.background{ background-color: rgb(255, 74,  
34) }
```

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