

# Converting Colors

$Yxy(26.0305, 0.5922, 0.3516)$

Have a look what the booklet for  
Yxy(26.0305, 0.5922, 0.3516)  
contains.

<b>Yxy(26.0045, 0.5924, 0.3515)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(26.0045, 0.5924, 0.3515)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4821
RGB	255, 72, 33
RGB Percent	100%, 28%, 13%
CMY	0.0001, 0.7175, 0.8705
CMYK	0.00, 0.72, 0.87, 0.00
HSL	11°, 100%, 56%
HSV	11°, 87%, 100%
XYZ	43.8266, 26.0045, 4.1504
YIQ	122.2710, 121.5870, 26.6670

# Conversions

## Conversions Part 2

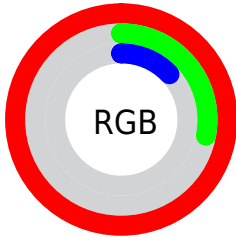
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	255, 80, 33
Decimal	16730145
CIE <sub>Lab</sub>	58.04, 67.14, 60.35
CIE <sub>LCh</sub>	58, 90.274, 41.952
Yxy	26.0045, 0.5924, 0.3515
Android (android.graphics.Color)	4294920225 (0xFFFF4821)
YUV	122.2710, -44.0106, 116.4033
Hunter-Lab	50.9946, 64.1689, 30.8707

# Details

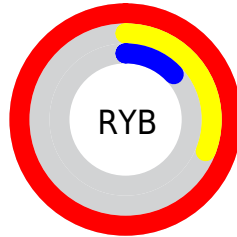
The Yxy color **26.0045, 0.5924, 0.3515** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **56.6373, 0.2128, 0.2789**, and the grayscale version is **19.6793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1327, 0.4988, 0.3733**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.6424, 0.6185, 0.3444**, and if you desaturate by 10%, it is **29.4057, 0.5556, 0.3557**.

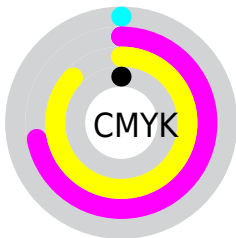
# Distribution



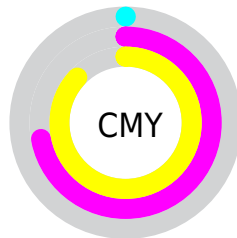
- Red (100%)
- Green (28%)
- Blue (13%)



- Red (100%)
- Yellow (31%)
- Blue (13%)



- Cyan (0%)
- Magenta (72%)
- Yellow (87%)
- Black (0%)




- Cyan (0%)
- Magenta (72%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.0045, 0.5924, 0.3515 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 26.0045, 0.5924, 0.3515 by changing the saturation by 10% instead.





 26.0045, 0.5924,  
0.3515


 26.0045, 0.5924,  
0.3515


282.8042, 0.4492,  
0.3600


 16.8270, 0.6238,  
0.3415

 53.2822, 0.5425,  
0.3604


 10.1112, 0.6623,  
0.3259


 72.1512, 0.5229,  
0.3620


 5.4728, 0.7022,  
0.2978

 95.0195, 0.5060,  
0.3626

 2.5272, 0.7464,  
0.2536

 122.2715, 0.4914,  
0.3626

 0.8902, 0.8096,  
0.1904

 154.2915, 0.4787,  
0.3622


 0.0000, 1.0000,  
0.0000

 191.4641, 0.4676,

 0.0000, 0.0000,


0.3616

0.0000


 234.1735, 0.4579,  
0.3608


 26.0045, 0.5924,  
0.3515

 26.0045, 0.5924,  
0.3515


 23.6424, 0.6185,  
0.3444


 29.4057, 0.5556,  
0.3557

 23.1189, 0.6244,  
0.3424

 33.9478, 0.5133,  
0.3567


 39.7245, 0.4708,  
0.3549

 46.8184, 0.4316,  
0.3513

 55.3049, 0.3973,  
0.3467

 65.2534, 0.3683,  
0.3418

 76.7287, 0.3443,  
0.3368

 89.7919, 0.3245,  
0.3321

99.9960, 0.3127,  
0.3290

# Harmonies

## Analogous

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



26.0045, 0.5412, 0.2736



26.0045, 0.5924, 0.3515



26.0045, 0.5408, 0.4422

# Triad

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



26.0045, 0.5924, 0.3515



26.0045, 0.1965, 0.5291



26.0045, 0.1524, 0.1351

# Complementary

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



26.0045, 0.5924, 0.3515



56.6373, 0.2128, 0.2789

# 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.



26.0045, 0.1059, 0.1467



26.0045, 0.5924, 0.3515



26.0045, 0.1199, 0.3333

# Square

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



26.0045, 0.5924, 0.3515



26.0045, 0.3123, 0.6162



26.0045, 0.0946, 0.2022



26.0045, 0.2471, 0.1546



# Rectangle

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



26.0045, 0.5924, 0.3515



26.0045, 0.4735, 0.5129



26.0045, 0.0946, 0.2022



26.0045, 0.1323, 0.1353

# Sweetspot

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



26.0061, 0.5924, 0.3515



66.3936, 0.3656, 0.3412



27.4066, 0.3615, 0.1820



13.4251, 0.3748, 0.3430



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.



26.0061, 0.5924, 0.3515



23.1232, 0.6244, 0.3424



54.4120, 0.4783, 0.4485



18.5031, 0.3290, 0.3332



12.2310, 0.6222, 0.3442



1.3257, 0.6025, 0.3598



# Inverse Universe

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



56.6373, 0.2128, 0.2789



53.4015, 0.2085, 0.2707



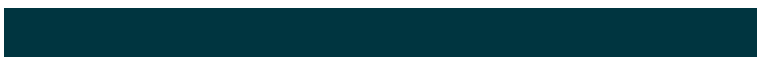
18.0605, 0.1724, 0.1301



19.9062, 0.2980, 0.3247



28.1017, 0.2088, 0.2717



2.8722, 0.2108, 0.2790



# Previews

## White Background



This preview shows how the Yxy color 26.0045, 0.5924, 0.3515 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 26.0045, 0.5924, 0.3515 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 26.0045, 0.5924, 0.3515**

## Background



This preview shows how black text looks on a background with the Yxy color 26.0045, 0.5924, 0.3515.



This preview shows how white text looks on a background with the Yxy color 26.0045, 0.5924, 0.3515.

# 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

26.0045, 0.5924, 0.3515

### Protanopia

26.0544, 0.4187, 0.4610

### Deuteranopia

26.1222, 0.4712, 0.4641



## Tritanopia

25.9841, 0.5615, 0.3276

# Trichromacy



## Original Color

26.0045, 0.5924, 0.3515

## Protanomaly

23.6498, 0.4932, 0.4118

## Deuteranomaly

24.3746, 0.5267, 0.4151

## Tritanomaly

25.9458, 0.5753, 0.3377

# Monochromacy



## Original Color

26.0045, 0.5924, 0.3515

## Achromatopsia

19.4618, 0.3127, 0.3290

## Achromatomaly

19.1849, 0.4273, 0.3507

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.0045, 0.5924, 0.3515 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, 72, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 33)  
}
```

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, 72, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 33) }
```

## Border

The CSS property to change the border of an element to Yxy 26.0045, 0.5924, 0.3515 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, 72, 33) }
```

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

```
.border{ border-color:rgb(255, 72, 33) }
```

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

Here you see how a box with a 4 pixel rgb(255, 72, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 72,  
33) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.0045, 0.5924, 0.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 72, 33) }
```

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

```
.background{ background-color: rgb(255, 72,  
33) }
```

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