

# Converting Colors

$Y_{xy}(26.8982, 0.5902, 0.3593)$

Have a look what the booklet for  
Yxy(26.8982, 0.5902, 0.3593)  
contains.

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**Color**

**Yxy(26.9222, 0.5901, 0.3593)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF4F19
RGB	255, 79, 25
RGB Percent	100%, 31%, 10%
CMY	0.0000, 0.6902, 0.9016
CMYK	0.00, 0.69, 0.90, 0.00
HSL	14°, 100%, 55%
HSV	14°, 90%, 100%
XYZ	44.2159, 26.9222, 3.7914
YIQ	125.4680, 122.2300, 20.5180

# Conversions

## Conversions Part 2

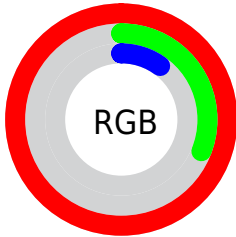
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 96, 25
Decimal	16731929
CIE <sub>Lab</sub>	58.90, 64.57, 63.83
CIE <sub>LCh</sub>	59, 90.793, 44.672
Yxy	26.9222, 0.5901, 0.3593
Android (android.graphics.Color)	4294922009 (0xFFFF4F19)
YUV	125.4680, -49.5307, 113.5996
Hunter-Lab	51.8866, 61.3099, 31.9882

# Details

The Yxy color **26.9222, 0.5901, 0.3593** 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 **49.2526, 0.2065, 0.2583**, and the grayscale version is **20.8160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7014, 0.4986, 0.3839**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.4681, 0.6140, 0.3507**, and if you desaturate by 10%, it is **30.3275, 0.5567, 0.3651**.

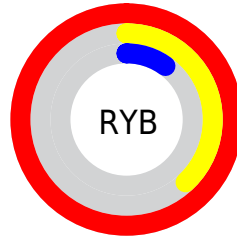
# Distribution



Red (100%)

Green (31%)

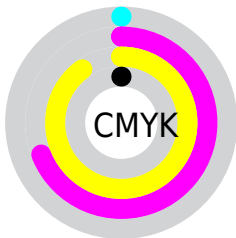
Blue (10%)



Red (100%)

Yellow (38%)

Blue (10%)

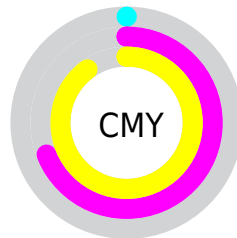


Cyan (0%)

Magenta (69%)

Yellow (90%)

Black (0%)



Cyan (0%)

Magenta (69%)


Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.9222, 0.5901, 0.3593 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 26.9222, 0.5901, 0.3593 by changing the saturation by 10% instead.




 26.9222, 0.5901,  
0.3593


 26.9222, 0.5901,  
0.3593


287.2802, 0.4500,  
0.3648


 17.5148, 0.6200,  
0.3498


 54.7590, 0.5419,  
0.3673


 10.6022, 0.6574,  
0.3354


 73.9572, 0.5228,  
0.3685

 5.8000, 0.6927,  
0.3073

 97.1878, 0.5062,  
0.3688

 2.7239, 0.7351,  
0.2649

 124.8351, 0.4919,  
0.3684

 0.9893, 0.7961,  
0.2039

 157.2836, 0.4793,  
0.3677


 0.0000, 1.0000,  
0.0000


 194.9177, 0.4684,

 0.0000, 0.0000,


0.3668


0.0000


 238.1218, 0.4586,  
0.3658

 26.9222, 0.5901,  
0.3593

 26.9222, 0.5901,  
0.3593


 24.4681, 0.6140,  
0.3507


 30.3275, 0.5567,  
0.3651


 34.7489, 0.5174,  
0.3667


 40.2624, 0.4770,  
0.3648

 46.9369, 0.4388,  
0.3604

 54.8353, 0.4047,  
0.3545

 64.0160, 0.3754,  
0.3480

 74.5333, 0.3507,  
0.3414

 86.4386, 0.3301,  
0.3350

99.7803, 0.3130,  
0.3291

# Harmonies

## Analogous

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



26.9222, 0.5494, 0.2808



26.9222, 0.5901, 0.3593



26.9222, 0.5321, 0.4515

# Triad

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



26.9222, 0.5901, 0.3593



26.9222, 0.1881, 0.5114



26.9222, 0.1593, 0.1364

# Complementary

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



26.9222, 0.5901, 0.3593



49.2526, 0.2065, 0.2583

# 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.



26.9222, 0.1093, 0.1450



26.9222, 0.5901, 0.3593



26.9222, 0.1165, 0.3178

# Square

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



26.9222, 0.5901, 0.3593



26.9222, 0.3017, 0.6146



26.9222, 0.0951, 0.1953



26.9222, 0.2589, 0.1585



# Rectangle

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



26.9222, 0.5901, 0.3593



26.9222, 0.4629, 0.5221



26.9222, 0.0951, 0.1953



26.9222, 0.1380, 0.1356

# Sweetspot

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



26.9215, 0.5901, 0.3593



67.1884, 0.3671, 0.3459



26.1935, 0.3832, 0.1924



13.6477, 0.3761, 0.3482



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.



26.9215, 0.5901, 0.3593



24.4681, 0.6140, 0.3507



59.7781, 0.4676, 0.4609



18.6780, 0.3289, 0.3346



12.9727, 0.6113, 0.3528

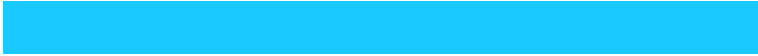


1.4217, 0.5899, 0.3698

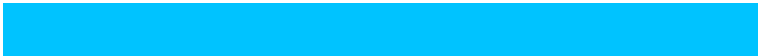


# Inverse Universe

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



49.2526, 0.2065, 0.2583



46.3515, 0.2027, 0.2498



14.1489, 0.1651, 0.1071



19.7171, 0.2980, 0.3233



24.4599, 0.2031, 0.2513



2.5478, 0.2059, 0.2612



# Previews

## White Background



This preview shows how the Yxy color 26.9222, 0.5901, 0.3593 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 26.9222, 0.5901, 0.3593 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 26.9222, 0.5901, 0.3593**

## Background



This preview shows how black text looks on a background with the Yxy color 26.9222, 0.5901, 0.3593.



This preview shows how white text looks on a background with the Yxy color 26.9222, 0.5901, 0.3593.

# 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

26.9222, 0.5901, 0.3593

### Protanopia

26.8770, 0.4257, 0.4695

### Deuteranopia

26.9117, 0.4705, 0.4646



## Tritanopia

26.9934, 0.5486, 0.3274

# Trichromacy



## Original Color

26.9222, 0.5901, 0.3593

## Protanomaly

24.7843, 0.4960, 0.4217

## Deuteranomaly

25.5466, 0.5234, 0.4190

## Tritanomaly

26.8835, 0.5689, 0.3423

# Monochromacy



## Original Color

26.9222, 0.5901, 0.3593

## Achromatopsia

20.5079, 0.3127, 0.3290

## Achromatomaly

20.2170, 0.4281, 0.3580

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.9222, 0.5901, 0.3593 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, 79, 25)` looks like.

```
.text, #text, p{  
    color:rgb(255, 79, 25)  
}
```

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, 79, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 79, 25) }
```

## Border

The CSS property to change the border of an element to Yxy 26.9222, 0.5901, 0.3593 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, 79, 25) }
```

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

```
.border{ border-color:rgb(255, 79, 25) }
```

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

Here you see how a box with a 4 pixel rgb(255, 79, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 79, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 79, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 79,  
25) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.9222, 0.5901, 0.3593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 79, 25) }
```

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

```
.background{ background-color: rgb(255, 79,  
25) }
```

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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