

# Converting Colors

$Y_{xy}(26.2824, 0.5762, 0.3803)$

Have a look what the booklet for  
Yxy(26.2824, 0.5762, 0.3803)  
contains.

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**Color**

**Yxy(26.3562, 0.5757, 0.3807)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F05D01
RGB	240, 93, 1
RGB Percent	94%, 36%, 0%
CMY	0.0588, 0.6353, 0.9956
CMYK	0.00, 0.61, 1.00, 0.06
HSL	23°, 99%, 47%
HSV	23°, 100%, 94%
XYZ	39.8562, 26.3562, 3.0185
YIQ	126.4650, 117.1440, 2.5520

# Conversions

## Conversions Part 2

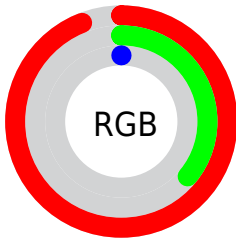
Format	Color
R <sub>Y</sub> B	240, 151, 1
Decimal	15752449
CIE Lab	58.37, 53.67, 67.70
CIE LCh	58, 86.393, 51.595
Yxy	26.3562, 0.5757, 0.3807
Android (android.graphics.Color)	4293942529 (0xFFFF05D01)
YUV	126.4650, -61.8542, 99.5702
Hunter-Lab	51.3383, 48.7356, 32.4508

# Details

The Yxy color **26.3562, 0.5757, 0.3807** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **27.5134, 0.1879, 0.1962**, and the grayscale version is **21.2218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8332, 0.4969, 0.4030**, and **10.3160, 0.6171, 0.3482** is the 20% darker color. If you saturate the color by 10%, you get **26.2354, 0.5767, 0.3803**, and if you desaturate by 10%, it is **29.2738, 0.5518, 0.3897**.

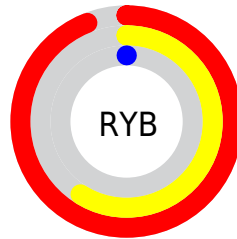
# Distribution



Red (94%)

Green (36%)

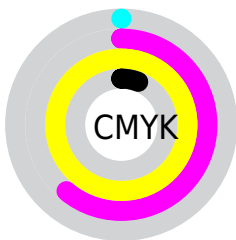
Blue (0%)



Red (94%)

Yellow (59%)

Blue (0%)

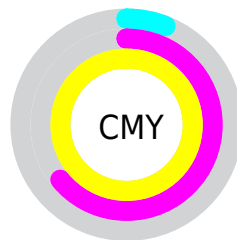


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (6%)



Cyan (6%)

Magenta (64%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.3562, 0.5757, 0.3807 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 26.3562, 0.5757, 0.3807 by changing the saturation by 10% instead.





 26.3562, 0.5757,  
0.3807


 26.3562, 0.5757,  
0.3807


284.5263, 0.4443,  
0.3755

 17.0903, 0.6028,  
0.3731


 53.8490, 0.5312,  
0.3853


 10.2989, 0.6383,  
0.3617


 72.8448, 0.5132,  
0.3850

 5.5976, 0.6662,  
0.3338


 95.8525, 0.4976,  
0.3840

 2.6020, 0.7061,  
0.2939

 123.2568, 0.4840,  
0.3825

 0.9277, 0.7662,  
0.2338

 155.4419, 0.4722,  
0.3808

 0.0000, 1.0000,  
0.0000


 192.7922, 0.4617,

 0.0000, 0.0000,


0.3790

0.0000

 235.6922, 0.4525,  
0.3772


 26.3562, 0.5757,  
0.3807


 26.3562, 0.5757,  
0.3807


 26.2354, 0.5767,  
0.3803

 29.2738, 0.5518,  
0.3897

 32.8009, 0.5226,  
0.3939

 36.9879, 0.4900,  
0.3929

 41.8728, 0.4567,  
0.3876

 47.4903, 0.4249,  
0.3794

■ 53.8720, 0.3959,  
0.3696

■ 61.0476, 0.3701,  
0.3590

■ 69.0450, 0.3477,  
0.3484

■ 77.8906, 0.3285,  
0.3382

# Harmonies

## Analogous

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



26.3562, 0.5596, 0.3010



26.3562, 0.5757, 0.3807



26.3562, 0.5064, 0.4745

# Triad

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



26.3562, 0.5757, 0.3807



26.3562, 0.1726, 0.4603



26.3562, 0.1817, 0.1439

# Complementary

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



26.3562, 0.5757, 0.3807



27.5134, 0.1879, 0.1962

# 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.



26.3562, 0.1224, 0.1453



26.3562, 0.5757, 0.3807



26.3562, 0.1138, 0.2844

# Square

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



26.3562, 0.5757, 0.3807



26.3562, 0.2776, 0.5950



26.3562, 0.1010, 0.1841



26.3562, 0.2913, 0.1725



# Rectangle

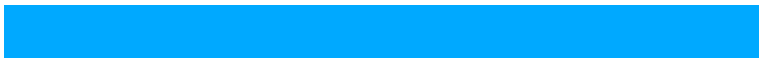
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



26.3562, 0.5757, 0.3807



26.3562, 0.4354, 0.5414



26.3562, 0.1010, 0.1841



26.3562, 0.1570, 0.1410

# Sweetspot

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



26.3577, 0.5757, 0.3807



69.5704, 0.3715, 0.3596



20.7015, 0.4490, 0.2249



14.1259, 0.3820, 0.3641



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.



26.3577, 0.5757, 0.3807



30.0119, 0.5773, 0.3798



65.6810, 0.4416, 0.4873



16.7557, 0.3284, 0.3381



14.5998, 0.5739, 0.3825



1.4015, 0.5494, 0.4020

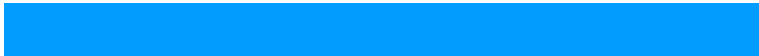


# Inverse Universe

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



27.5134, 0.1879, 0.1962



31.3040, 0.1875, 0.1951



7.1766, 0.1522, 0.0675



16.8484, 0.2980, 0.3197



15.2489, 0.1883, 0.1979



1.4605, 0.1936, 0.2170



# Previews

## White Background



This preview shows how the Yxy color 26.3562, 0.5757, 0.3807 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 26.3562, 0.5757, 0.3807 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 26.3562, 0.5757, 0.3807**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.3562, 0.5757, 0.3807.



This preview shows how white text looks on a background with the Yxy color 26.3562, 0.5757, 0.3807.

# 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

26.3562, 0.5757, 0.3807

### Protanopia

26.4866, 0.4347, 0.4799

### Deuteranopia

26.5152, 0.4708, 0.4644



## Tritanopia

26.4663, 0.5152, 0.3250

# Trichromacy



## Original Color

26.3562, 0.5757, 0.3807

## Protanomaly

25.1441, 0.4915, 0.4407

## Deuteranomaly

25.6112, 0.5146, 0.4296

## Tritanomaly

26.1613, 0.5503, 0.3543

# Monochromacy



## Original Color

26.3562, 0.5757, 0.3807

## Achromatopsia

20.8637, 0.3127, 0.3290

## Achromatomaly

20.8442, 0.4273, 0.3800

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.3562, 0.5757, 0.3807 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(240, 93, 1)` looks like.

```
.text, #text, p{  
    color:rgb(240, 93, 1)  
}
```

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(240, 93, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 93, 1) }
```

## Border

The CSS property to change the border of an element to Yxy 26.3562, 0.5757, 0.3807 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(240, 93, 1) }
```

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

```
.border{ border-color:rgb(240, 93, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 93, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 93, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 93, 1);  
box-shadow:4px 4px 4px 4px rgb(240, 93, 1)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 26.3562, 0.5757, 0.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 93, 1) }
```

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

```
.background{ background-color: rgb(240, 93,  
1) }
```

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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