

# Converting Colors

$Y_{xy}(26.1578, 0.3657, 0.1946)$

Have a look what the booklet for  
Yxy(26.1578, 0.3657, 0.1946)  
contains.

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# Color

**Yxy(26.1948, 0.3660, 0.1950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F338CB
RGB	243, 56, 203
RGB Percent	95%, 22%, 80%
CMY	0.0469, 0.7806, 0.2039
CMYK	0.00, 0.77, 0.16, 0.05
HSL	313°, 89%, 59%
HSV	313°, 77%, 95%
XYZ	49.1656, 26.1948, 58.9719
YIQ	128.6710, 64.2650, 85.3610

# Conversions

## Conversions Part 2

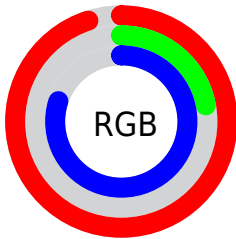
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 56, 203
Decimal	15939787
CIE Lab	58.22, 81.45, -35.06
CIE LCh	58, 88.674, 336.711
Yxy	26.1948, 0.3660, 0.1950
Android (android.graphics.Color)	4294129867 (0xFFFF338CB)
YUV	128.6710, 36.6442, 100.2665
Hunter-Lab	51.1809, 81.9051, -32.4888

# Details

The Yxy color **26.1948, 0.3660, 0.1950** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **65.8051, 0.2899, 0.5329**, and the grayscale version is **21.6768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3991, 0.3186, 0.2039**, and **12.0832, 0.3746, 0.1837** is the 20% darker color. If you saturate the color by 10%, you get **24.1432, 0.3745, 0.1897**, and if you desaturate by 10%, it is **29.3989, 0.3574, 0.2049**.

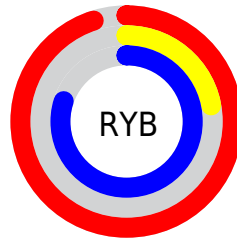
# Distribution



Red (95%)

Green (22%)

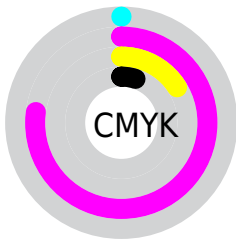
Blue (80%)



Red (95%)

Yellow (22%)

Blue (80%)

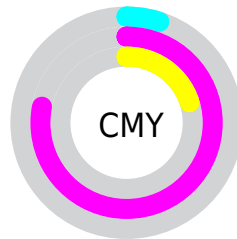


Cyan (0%)

Magenta (77%)

Yellow (16%)

Black (5%)



Cyan (5%)

Magenta (78%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.1948, 0.3660, 0.1950 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 26.1948, 0.3660, 0.1950 by changing the saturation by 10% instead.




 26.1948, 0.3660,  
0.1950

 26.1948, 0.3660,  
0.1950


283.7370, 0.3411,  
0.2589


 16.9694, 0.3716,  
0.1803


 53.5890, 0.3574,  
0.2173


 10.2127, 0.3783,  
0.1623


 72.5267, 0.3541,  
0.2260


 5.5402, 0.3865,  
0.1398


 95.4706, 0.3512,  
0.2334

 2.5676, 0.3964,  
0.1115

 122.8051, 0.3486,  
0.2398

 0.9104, 0.4081,  
0.0761

 154.9146, 0.3464,  
0.2455

 0.0000, 0.4345,  
0.0000

192.1835, 0.3444,


 0.0000, 0.4203,


0.2505


0.0000


234.9961, 0.3427,  
0.2549


 0.0000, 0.0000,  
0.0000

 26.1948, 0.3660,  
0.1950


 26.1948, 0.3660,  
0.1950


 24.1432, 0.3745,  
0.1897


 29.3989, 0.3574,  
0.2049


 23.0532, 0.3826,  
0.1891

 33.8976, 0.3490,  
0.2189

 22.8244, 0.3850,  
0.1894


 39.8168, 0.3410,  
0.2359


 47.2663, 0.3336,  
0.2550

 56.3451, 0.3269,  
0.2752

 67.1438, 0.3210,  
0.2956

 79.7465, 0.3159,  
0.3155

 94.2315, 0.3115,  
0.3347

 97.4707, 0.3083,  
0.3341

# Harmonies

## Analogous

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



26.1948, 0.2280, 0.1514



26.1948, 0.3660, 0.1950



26.1948, 0.5165, 0.2620

# Triad

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



26.1948, 0.3660, 0.1950



26.1948, 0.4546, 0.5280



26.1948, 0.0988, 0.2209

# Complementary

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



26.1948, 0.3660, 0.1950



65.8051, 0.2899, 0.5329

# 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.



26.1948, 0.1322, 0.3653



26.1948, 0.3660, 0.1950



26.1948, 0.3350, 0.6069

# Square

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



26.1948, 0.3660, 0.1950



26.1948, 0.5524, 0.4254



26.1948, 0.2174, 0.5524



26.1948, 0.1041, 0.1552



# Rectangle

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



26.1948, 0.3660, 0.1950



26.1948, 0.5766, 0.3124



26.1948, 0.2174, 0.5524



26.1948, 0.1049, 0.2590

# Sweetspot

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



26.1961, 0.3660, 0.1950



67.3360, 0.3245, 0.2832



11.6421, 0.1850, 0.0973



13.5229, 0.3267, 0.2758



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.



26.1961, 0.3660, 0.1950



26.1733, 0.3788, 0.1889



23.0552, 0.5039, 0.2812



16.7040, 0.3171, 0.3106



12.5435, 0.3838, 0.1888



1.1172, 0.3743, 0.1836



# Inverse Universe

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



26.1961, 0.3660, 0.1950



26.1733, 0.3788, 0.1889



68.5451, 0.2522, 0.4053



16.7040, 0.3171, 0.3106



12.5435, 0.3838, 0.1888



1.1172, 0.3743, 0.1836



# Previews

## White Background



This preview shows how the Yxy color 26.1948, 0.3660, 0.1950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

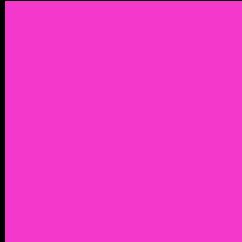
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.1948, 0.3660, 0.1950 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

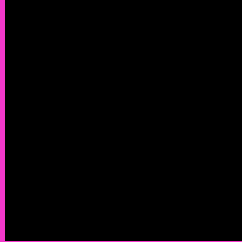
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 26.1948, 0.3660, 0.1950**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.1948, 0.3660, 0.1950.



This preview shows how white text looks on a background with the Yxy color 26.1948, 0.3660, 0.1950.

# 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

26.1948, 0.3660, 0.1950

### Protanopia

26.8607, 0.1955, 0.1728

### Deuteranopia

26.2678, 0.2522, 0.2462



## Tritanopia

26.2220, 0.4946, 0.3234

# Trichromacy



## Original Color

26.1948, 0.3660, 0.1950



## Protanomaly

22.3567, 0.2308, 0.1648



## Deuteranomaly

22.9261, 0.2863, 0.2100



## Tritanomaly

25.5480, 0.4490, 0.2711

# Monochromacy



## Original Color

26.1948, 0.3660, 0.1950



## Achromatopsia

21.9526, 0.3127, 0.3290



## Achromatomaly

20.4491, 0.3344, 0.2502

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.1948, 0.3660, 0.1950 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(243, 56, 203)` looks like.

```
.text, #text, p{  
    color:rgb(243, 56, 203)  
}
```

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(243, 56, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 56, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 26.1948, 0.3660, 0.1950 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(243, 56, 203) }
```

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

```
.border{ border-color:rgb(243, 56, 203) }
```

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

Here you see how a box with a 4 pixel rgb(243, 56, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 56, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 56, 203);  
box-shadow:4px 4px 4px 4px rgb(243, 56,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.1948, 0.3660, 0.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 56, 203) }
```

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

```
.background{ background-color: rgb(243, 56,  
203) }
```

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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