

# Converting Colors

$Y_{xy}(26.0140, 0.3638, 0.1919)$

Have a look what the booklet for  
Yxy(26.0140, 0.3638, 0.1919)  
contains.

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**Color**

**Yxy(26.0087, 0.3637, 0.1920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F335CD
RGB	243, 53, 205
RGB Percent	95%, 21%, 80%
CMY	0.0469, 0.7925, 0.1960
CMYK	0.00, 0.78, 0.16, 0.05
HSL	312°, 89%, 58%
HSV	312°, 78%, 95%
XYZ	49.2675, 26.0087, 60.1858
YIQ	127.1380, 64.4480, 87.5520

# Conversions

## Conversions Part 2

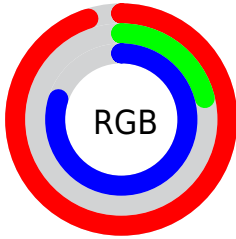
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 53, 205
Decimal	15939021
CIE <sub>Lab</sub>	58.05, 82.49, -36.47
CIE <sub>LCh</sub>	58, 90.190, 336.146
Yxy	26.0087, 0.3637, 0.1920
Android (android.graphics.Color)	4294129101 (0xFFFF335CD)
YUV	127.1380, 38.3860, 101.6110
Hunter-Lab	50.9987, 83.1929, -34.2715

# Details

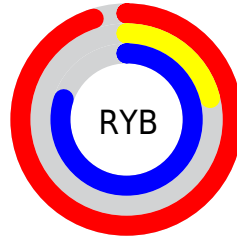
The Yxy color **26.0087, 0.3637, 0.1920** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **65.6392, 0.2909, 0.5392**, and the grayscale version is **21.1099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9129, 0.3187, 0.2023**, and **12.1471, 0.3710, 0.1817** is the 20% darker color. If you saturate the color by 10%, you get **24.1000, 0.3715, 0.1871**, and if you desaturate by 10%, it is **29.0487, 0.3557, 0.2016**.

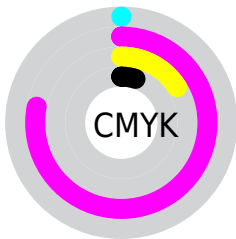
# Distribution



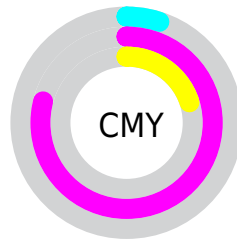
- Red (95%)
- Green (21%)
- Blue (80%)



- Red (95%)
- Yellow (21%)
- Blue (80%)



- Cyan (0%)
- Magenta (78%)
- Yellow (16%)
- Black (5%)




- Cyan (5%)
- Magenta (79%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.0087, 0.3637, 0.1920 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 26.0087, 0.3637, 0.1920 by changing the saturation by 10% instead.





 26.0087, 0.3637,  
0.1920


 26.0087, 0.3637,  
0.1920


282.8248, 0.3402,  
0.2571


 16.8301, 0.3688,  
0.1771


 53.2890, 0.3557,  
0.2147


 10.1135, 0.3750,  
0.1589


 72.1595, 0.3525,  
0.2235


 5.4743, 0.3824,  
0.1363


 95.0295, 0.3498,  
0.2311

 2.5281, 0.3911,  
0.1079

 122.2833, 0.3474,  
0.2376

 0.8907, 0.4007,  
0.0728

 154.3053, 0.3453,  
0.2434

 0.0000, 0.4224,  
0.0000

191.4800, 0.3434,

 0.0000, 0.4037,

0.2485


0.0000


234.1917, 0.3417,  
0.2530


 0.0000, 0.0000,  
0.0000


 26.0087, 0.3637,  
0.1920

 26.0087, 0.3637,  
0.1920

 24.1000, 0.3715,  
0.1871


 29.0487, 0.3557,  
0.2016


 23.1096, 0.3789,  
0.1867

 33.3657, 0.3479,  
0.2153


 22.9772, 0.3802,  
0.1868

 39.0877, 0.3403,  
0.2322


 46.3261, 0.3333,  
0.2514

 55.1810, 0.3269,  
0.2717

 65.7442, 0.3212,  
0.2924

 78.1003, 0.3163,  
0.3128

 92.3284, 0.3120,  
0.3324

 97.4086, 0.3089,  
0.3351

# Harmonies

## Analogous

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



26.0087, 0.2244, 0.1487



26.0087, 0.3637, 0.1920



26.0087, 0.5179, 0.2592

# Triad

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



26.0087, 0.3637, 0.1920



26.0087, 0.4575, 0.5278



26.0087, 0.0964, 0.2206

# Complementary

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



26.0087, 0.3637, 0.1920



65.6392, 0.2909, 0.5392

# 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.



26.0087, 0.1305, 0.3692



26.0087, 0.3637, 0.1920



26.0087, 0.3361, 0.6111

# Square

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



26.0087, 0.3637, 0.1920



26.0087, 0.5564, 0.4231



26.0087, 0.2172, 0.5604



26.0087, 0.1013, 0.1534



# Rectangle

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



26.0087, 0.3637, 0.1920



26.0087, 0.5801, 0.3097



26.0087, 0.2172, 0.5604



26.0087, 0.1026, 0.2597

# Sweetspot

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



26.0100, 0.3637, 0.1920



67.3851, 0.3239, 0.2824



11.2338, 0.1831, 0.0945



13.5350, 0.3260, 0.2749



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.



26.0100, 0.3637, 0.1920



26.1173, 0.3760, 0.1864



22.7267, 0.5085, 0.2814



16.7081, 0.3169, 0.3103



12.6248, 0.3791, 0.1862



1.1237, 0.3704, 0.1814



# Inverse Universe

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



26.0100, 0.3637, 0.1920



26.1173, 0.3760, 0.1864



68.4301, 0.2520, 0.4067



16.7081, 0.3169, 0.3103



12.6248, 0.3791, 0.1862



1.1237, 0.3704, 0.1814



# Previews

## White Background



This preview shows how the Yxy color 26.0087, 0.3637, 0.1920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

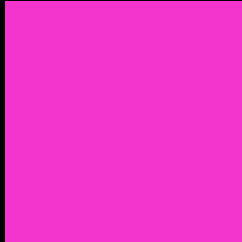
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.0087, 0.3637, 0.1920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

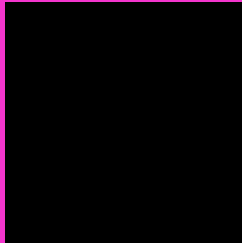
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.0087, 0.3637, 0.1920**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.0087, 0.3637, 0.1920.



This preview shows how white text looks on a background with the Yxy color 26.0087, 0.3637, 0.1920.

# 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

26.0087, 0.3637, 0.1920

### Protanopia

26.5338, 0.1948, 0.1714

### Deuteranopia

26.2096, 0.2492, 0.2433



## Tritanopia

25.8598, 0.4957, 0.3234

# Trichromacy



## Original Color

26.0087, 0.3637, 0.1920



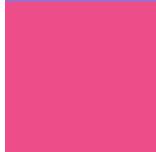
## Protanomaly

21.9115, 0.2291, 0.1615



## Deuteranomaly

22.6996, 0.2833, 0.2063



## Tritanomaly

25.2594, 0.4498, 0.2695

# Monochromacy



## Original Color

26.0087, 0.3637, 0.1920



## Achromatopsia

21.2231, 0.3127, 0.3290



## Achromatomaly

19.9159, 0.3346, 0.2484

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.0087, 0.3637, 0.1920 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, 53, 205)` looks like.

```
.text, #text, p{  
    color:rgb(243, 53, 205)  
}
```

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, 53, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 53, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 26.0087, 0.3637, 0.1920 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, 53, 205) }
```

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

```
.border{ border-color:rgb(243, 53, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 53, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 53, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 53, 205);  
box-shadow:4px 4px 4px 4px rgb(243, 53,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.0087, 0.3637, 0.1920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 53, 205) }
```

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

```
.background{ background-color: rgb(243, 53,  
205) }
```

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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