

# Converting Colors

$Y_{xy}(26.1935, 0.3946, 0.2012)$

Have a look what the booklet for  
Yxy(26.1935, 0.3946, 0.2012)  
contains.

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# Color

**Yxy(26.1980, 0.3942, 0.2009)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF21C1
RGB	255, 33, 193
RGB Percent	100%, 13%, 76%
CMY	0.0001, 0.8703, 0.2431
CMYK	0.00, 0.87, 0.24, 0.00
HSL	317°, 100%, 56%
HSV	317°, 87%, 100%
XYZ	51.4049, 26.1980, 52.8002
YIQ	117.6180, 80.9520, 96.8240

# Conversions

## Conversions Part 2

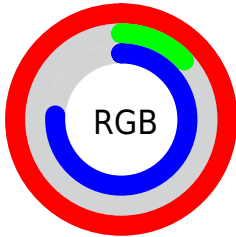
Format	Color
R <sub>Y</sub> B	255, 33, 193
Decimal	16720321
CIE <sub>Lab</sub>	58.22, 87.44, -29.16
CIE <sub>LCh</sub>	58, 92.172, 341.560
Yxy	26.1980, 0.3942, 0.2009
Android (android.graphics.Color)	4294910401 (0xFFFF21C1)
YUV	117.6180, 37.1633, 120.4840
Hunter-Lab	51.1840, 89.6986, -25.3334

# Details

The Yxy color **26.1980, 0.3942, 0.2009** 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 **72.6614, 0.2871, 0.5424**, and the grayscale version is **17.8682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5310, 0.3235, 0.1992**, and **13.2015, 0.4074, 0.2018** is the 20% darker color. If you saturate the color by 10%, you get **24.9615, 0.4056, 0.2018**, and if you desaturate by 10%, it is **28.5177, 0.3824, 0.2049**.

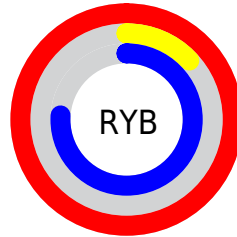
# Distribution



Red (100%)

Green (13%)

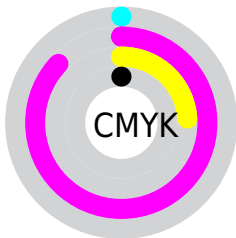
Blue (76%)



Red (100%)

Yellow (13%)

Blue (76%)

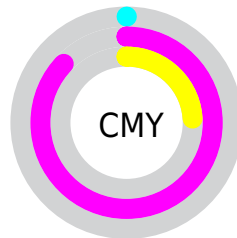


Cyan (0%)

Magenta (87%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (87%)

Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.1980, 0.3942, 0.2009 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 26.1980, 0.3942, 0.2009 by changing the saturation by 10% instead.





 26.1980, 0.3942,  
0.2009


 26.1980, 0.3942,  
0.2009

283.7527, 0.3539,  
0.2625


 16.9718, 0.4040,  
0.1865


 53.5942, 0.3797,  
0.2226


 10.2144, 0.4163,  
0.1688


 72.5330, 0.3743,  
0.2310


 5.5413, 0.4322,  
0.1465


 95.4782, 0.3696,  
0.2381

 2.5683, 0.4533,  
0.1180

 122.8140, 0.3656,  
0.2443

 0.9107, 0.4822,  
0.0818

 154.9250, 0.3621,  
0.2497

 0.0000, 0.5431,  
0.0000

192.1955, 0.3590,

 0.0000, 0.5916,

0.2545

0.0000

235.0100, 0.3563,  
0.2588

■ 0.0000, 0.0000,  
0.0000

■ 26.1980, 0.3942,  
0.2009

■ 26.1980, 0.3942,  
0.2009

■ 24.9615, 0.4056,  
0.2018

■ 28.5177, 0.3824,  
0.2049

■ 24.7075, 0.4089,  
0.2026

■ 32.1266, 0.3707,  
0.2138

■ 37.1914, 0.3593,  
0.2267

■ 43.8523, 0.3486,  
0.2426

■ 52.2331, 0.3390,  
0.2604

 62.4454, 0.3304,  
0.2792

 74.5913, 0.3230,  
0.2981

 88.7654, 0.3166,  
0.3165

99.9968, 0.3127,  
0.3290

# Harmonies

## Analogous

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



26.1980, 0.2443, 0.1521



26.1980, 0.3942, 0.2009



26.1980, 0.5436, 0.2713

# Triad

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



26.1980, 0.3942, 0.2009



26.1980, 0.4364, 0.5488



26.1980, 0.0923, 0.2011

# Complementary

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



26.1980, 0.3942, 0.2009



72.6614, 0.2871, 0.5424

# 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.



26.1980, 0.1178, 0.3352



26.1980, 0.3942, 0.2009



26.1980, 0.3125, 0.6212

# Square

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



26.1980, 0.3942, 0.2009



26.1980, 0.5441, 0.4407



26.1980, 0.1955, 0.5359



26.1980, 0.1033, 0.1448



# Rectangle

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



26.1980, 0.3942, 0.2009



26.1980, 0.5924, 0.3226



26.1980, 0.1955, 0.5359



26.1980, 0.0960, 0.2352

# Sweetspot

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



26.1994, 0.3942, 0.2009



63.6104, 0.3296, 0.2811



10.5996, 0.1785, 0.0821



12.7975, 0.3324, 0.2746



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.



26.1994, 0.3942, 0.2009



24.7112, 0.4089, 0.2026



23.0027, 0.5628, 0.2982



18.2087, 0.3181, 0.3120



12.9389, 0.4071, 0.2017



1.2784, 0.3950, 0.1950



# Inverse Universe

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



26.1994, 0.3942, 0.2009



24.7112, 0.4089, 0.2026



76.1556, 0.2455, 0.3963



18.2087, 0.3181, 0.3120



12.9389, 0.4071, 0.2017



1.2784, 0.3950, 0.1950



# Previews

## White Background



This preview shows how the Yxy color 26.1980, 0.3942, 0.2009 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

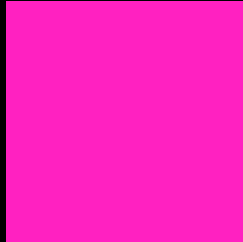
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.1980, 0.3942, 0.2009 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

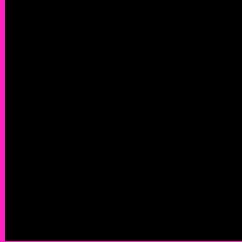
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.1980, 0.3942, 0.2009**

## Background



This preview shows how black text looks on a background with the Yxy color 26.1980, 0.3942, 0.2009.



This preview shows how white text looks on a background with the Yxy color 26.1980, 0.3942, 0.2009.

# 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

26.1980, 0.3942, 0.2009

### Protanopia

26.9052, 0.1959, 0.1729

### Deuteranopia

26.4187, 0.2674, 0.2622



## Tritanopia

26.3149, 0.5323, 0.3262

# Trichromacy



## Original Color

26.1980, 0.3942, 0.2009



## Protanomaly

20.7696, 0.2358, 0.1595



## Deuteranomaly

21.9642, 0.3086, 0.2156



## Tritanomaly

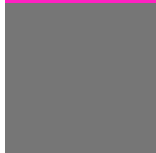
25.4460, 0.4882, 0.2767

# Monochromacy



## Original Color

26.1980, 0.3942, 0.2009



## Achromatopsia

18.1164, 0.3127, 0.3290



## Achromatomaly

17.1856, 0.3491, 0.2432

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.1980, 0.3942, 0.2009 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, 33, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 193)  
}
```

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, 33, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 26.1980, 0.3942, 0.2009 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, 33, 193) }
```

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

```
.border{ border-color:rgb(255, 33, 193) }
```

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

Here you see how a box with a 4 pixel rgb(255, 33, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.1980, 0.3942, 0.2009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 33, 193) }
```

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

```
.background{ background-color: rgb(255, 33,  
193) }
```

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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