

Converting Colors

$Y_{xy}(26.8291, 0.4082, 0.2157)$

Have a look what the booklet for
Yxy(26.8291, 0.4082, 0.2157)
contains.

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Color

Yxy(26.8340, 0.4083, 0.2158)

Conversions

Conversions Part 1

Format	Color
Hex	FF31B6
RGB	255, 49, 182
RGB Percent	100%, 19%, 71%
CMY	0.0001, 0.8074, 0.2864
CMYK	0.00, 0.81, 0.29, 0.00
HSL	321°, 100%, 60%
HSV	321°, 81%, 100%
XYZ	50.7707, 26.8340, 46.7419
YIQ	125.7560, 80.0830, 85.0350

Conversions

Conversions Part 2

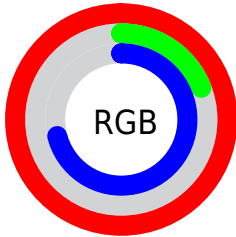
Format	Color
R _Y B	255, 49, 182
Decimal	16724406
CIE _{Lab}	58.82, 83.19, -21.87
CIE _{LCh}	59, 86.016, 345.269
Yxy	26.8340, 0.4083, 0.2158
Android (android.graphics.Color)	4294914486 (0xFFFF31B6)
YUV	125.7560, 27.7283, 113.3470
Hunter-Lab	51.8015, 84.2953, -17.2378

Details

The Yxy color **26.8340, 0.4083, 0.2158** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **73.5638, 0.2803, 0.5087**, and the grayscale version is **20.6773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6267, 0.3342, 0.2146**, and **12.9224, 0.4271, 0.2126** is the 20% darker color. If you saturate the color by 10%, you get **24.9056, 0.4242, 0.2152**, and if you desaturate by 10%, it is **29.9941, 0.3923, 0.2215**.

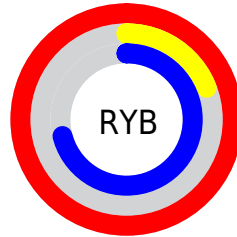
Distribution



Red (100%)

Green (19%)

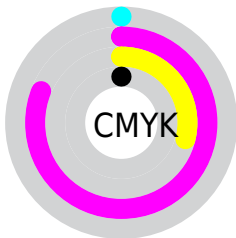
Blue (71%)



Red (100%)

Yellow (19%)

Blue (71%)

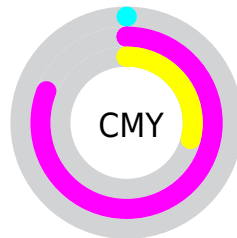


Cyan (0%)

Magenta (81%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (81%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.8340, 0.4083, 0.2158 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 26.8340, 0.4083, 0.2158 by changing the saturation by 10% instead.


 26.8340, 0.4083,
0.2158


 26.8340, 0.4083,
0.2158


286.8525, 0.3596,
0.2714


 17.4486, 0.4206,
0.2025


 54.6174, 0.3904,
0.2356


 10.5548, 0.4365,
0.1858


 73.7841, 0.3838,
0.2432

 5.7684, 0.4575,
0.1644


 96.9801, 0.3781,
0.2496

 2.7047, 0.4866,
0.1364

 124.5898, 0.3733,
0.2552

 0.9796, 0.5288,
0.0991

 156.9974, 0.3692,
0.2600

 0.0000, 0.6249,
0.0000

194.5875, 0.3656,


 0.0000, 0.8247,


0.2643


0.0000


237.7444, 0.3624,
0.2680

 0.0000, 0.0000,
0.0000

 26.8340, 0.4083,
0.2158


 26.8340, 0.4083,
0.2158


 24.9056, 0.4242,
0.2152


 29.9941, 0.3923,
0.2215

 23.9547, 0.4385,
0.2189

 34.5594, 0.3769,
0.2317

 40.6800, 0.3626,
0.2452

 48.4852, 0.3497,
0.2609

 58.0911, 0.3383,
0.2778

69.6032, 0.3285,
0.2949

83.1187, 0.3202,
0.3117

98.7286, 0.3132,
0.3278

99.9942, 0.3127,
0.3290

Harmonies

Analogous

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



26.8340, 0.2643, 0.1652



26.8340, 0.4083, 0.2158



26.8340, 0.5399, 0.2858

Triad

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



26.8340, 0.4083, 0.2158



26.8340, 0.4213, 0.5515



26.8340, 0.1020, 0.2002

Complementary

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



26.8340, 0.4083, 0.2158



73.5638, 0.2803, 0.5087

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.



26.8340, 0.1233, 0.3166



26.8340, 0.4083, 0.2158



26.8340, 0.3033, 0.5992

Square

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



26.8340, 0.4083, 0.2158



26.8340, 0.5246, 0.4533



26.8340, 0.1930, 0.4970



26.8340, 0.1164, 0.1512

Rectangle

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



26.8340, 0.4083, 0.2158



26.8340, 0.5780, 0.3367



26.8340, 0.1930, 0.4970



26.8340, 0.1046, 0.2300

Sweetspot

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



26.8354, 0.4083, 0.2158



65.6549, 0.3316, 0.2893



13.4994, 0.1985, 0.0990



13.1755, 0.3351, 0.2832



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.



26.8354, 0.4083, 0.2158



24.2268, 0.4339, 0.2175



24.0383, 0.5632, 0.3092



18.1846, 0.3193, 0.3138



12.5497, 0.4361, 0.2176



1.2427, 0.4194, 0.2084

Inverse Universe

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



26.8354, 0.4083, 0.2158



24.2268, 0.4339, 0.2175



77.5428, 0.2394, 0.3676



18.1846, 0.3193, 0.3138



12.5497, 0.4361, 0.2176



1.2427, 0.4194, 0.2084

Previews

White Background



This preview shows how the Yxy color 26.8340, 0.4083, 0.2158 looks on a white background.

Color Contrast Check

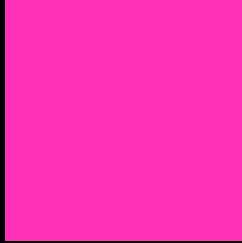
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8340, 0.4083, 0.2158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

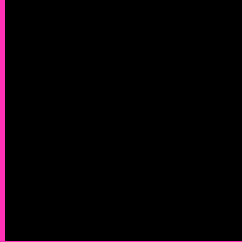
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8340, 0.4083, 0.2158

Background



This preview shows how black text looks on a background with the Yxy color 26.8340, 0.4083, 0.2158.



This preview shows how white text looks on a background with the Yxy color 26.8340, 0.4083, 0.2158.

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

26.8340, 0.4083, 0.2158

Protanopia

27.2195, 0.2036, 0.1824

Deuteranopia

27.0682, 0.2844, 0.2792



Tritanopia

26.8311, 0.5291, 0.3262

Trichromacy



Original Color

26.8340, 0.4083, 0.2158



Protanomaly

22.3112, 0.2490, 0.1768



Deuteranomaly

23.3483, 0.3254, 0.2361



Tritanomaly

26.4208, 0.4894, 0.2838

Monochromacy



Original Color

26.8340, 0.4083, 0.2158



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.6949, 0.3522, 0.2589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8340, 0.4083, 0.2158 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, 49, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 49, 182)  
}
```

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, 49, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 49, 182) }
```

Border

The CSS property to change the border of an element to Yxy 26.8340, 0.4083, 0.2158 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, 49, 182) }
```

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

```
.border{ border-color:rgb(255, 49, 182) }
```

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

Here you see how a box with a 4 pixel rgb(255, 49, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 49, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 49, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 49,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8340, 0.4083, 0.2158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 49, 182) }
```

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

```
.background{ background-color: rgb(255, 49,  
182) }
```

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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