

Converting Colors

$Y_{xy}(34.0234, 0.4194, 0.2279)$

Have a look what the booklet for
Yxy(34.0234, 0.4194, 0.2279)
contains.

Yxy(28.8022, 0.3938, 0.2159)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.8022, 0.3938, 0.2159)

Conversions

Conversions Part 1

Format	Color
Hex	FF41BF
RGB	255, 65, 191
RGB Percent	100%, 25%, 75%
CMY	0.0000, 0.7451, 0.2511
CMYK	0.00, 0.75, 0.25, 0.00
HSL	320°, 100%, 63%
HSV	320°, 75%, 100%
XYZ	52.5350, 28.8022, 52.0681
YIQ	136.1740, 72.7940, 79.4660

Conversions

Conversions Part 2

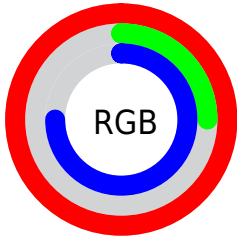
Format	Color
R _Y B	255, 65, 191
Decimal	16728511
CIE Lab	60.61, 80.14, -24.32
CIE LCh	61, 83.744, 343.119
Yxy	28.8022, 0.3938, 0.2159
Android (android.graphics.Color)	4294918591 (0xFFFF41BF)
YUV	136.1740, 27.0292, 104.2104
Hunter-Lab	53.6677, 80.8142, -19.9554

Details

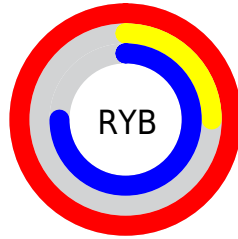
The Yxy color **28.8022, 0.3938, 0.2159** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **74.2297, 0.2812, 0.4981**, and the grayscale version is **24.5652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7378, 0.3244, 0.2149**, and **13.2755, 0.4126, 0.2047** is the 20% darker color. If you saturate the color by 10%, you get **26.1378, 0.4088, 0.2117**, and if you desaturate by 10%, it is **32.8079, 0.3791, 0.2248**.

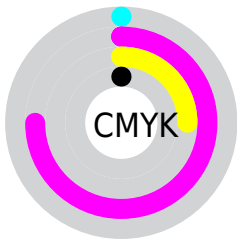
Distribution



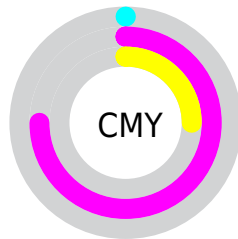
- Red (100%)
- Green (25%)
- Blue (75%)



- Red (100%)
- Yellow (25%)
- Blue (75%)



- Cyan (0%)
- Magenta (75%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (75%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8022, 0.3938, 0.2159 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 28.8022, 0.3938, 0.2159 by changing the saturation by 10% instead.


 28.8022, 0.3938,
0.2159


 28.8022, 0.3938,
0.2159


296.2805, 0.3533,
0.2706

 18.9312, 0.4038,
0.2030


 57.7627, 0.3792,
0.2353

 11.6206, 0.4164,
0.1869


 77.6210, 0.3736,
0.2427

 6.4859, 0.4330,
0.1664


 101.5772, 0.3690,
0.2491

 3.1427, 0.4555,
0.1398

 130.0157, 0.3649,
0.2546

 1.2067, 0.4874,
0.1046

 163.3209, 0.3615,
0.2593

 0.0672, 0.5598,
0.0142

201.8771, 0.3584,

 0.0000, 0.6317,

0.2636


0.0000


246.0689, 0.3557,
0.2673


 0.0000, 0.0000,
0.0000


 28.8022, 0.3938,
0.2159


 28.8022, 0.3938,
0.2159


 26.1378, 0.4088,
0.2117


 32.8079, 0.3791,
0.2248


 24.6221, 0.4235,
0.2127


 38.3140, 0.3652,
0.2376


 24.1274, 0.4314,
0.2150

 45.4560, 0.3524,
0.2529

 54.3545, 0.3411,
0.2699

 65.1185, 0.3312,
0.2874

 77.8482, 0.3227,
0.3048

 92.6368, 0.3156,
0.3217

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



28.8022, 0.2583, 0.1682



28.8022, 0.3938, 0.2159



28.8022, 0.5227, 0.2836

Triad

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



28.8022, 0.3938, 0.2159



28.8022, 0.4285, 0.5386



28.8022, 0.1089, 0.2118

Complementary

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



28.8022, 0.3938, 0.2159



74.2297, 0.2812, 0.4981

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.



28.8022, 0.1337, 0.3294



28.8022, 0.3938, 0.2159



28.8022, 0.3148, 0.5863

Square

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



28.8022, 0.3938, 0.2159



28.8022, 0.5245, 0.4459



28.8022, 0.2060, 0.4990



28.8022, 0.1205, 0.1594

Rectangle

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



28.8022, 0.3938, 0.2159



28.8022, 0.5650, 0.3336



28.8022, 0.2060, 0.4990



28.8022, 0.1126, 0.2426

Sweetspot

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



28.8018, 0.3938, 0.2159



68.1226, 0.3290, 0.2918



15.6165, 0.2055, 0.1111



13.8870, 0.3314, 0.2870



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.



28.8018, 0.3938, 0.2159



25.3284, 0.4155, 0.2115



25.8981, 0.5325, 0.3046



18.1902, 0.3190, 0.3134



12.6361, 0.4291, 0.2137



1.2507, 0.4135, 0.2052

Inverse Universe

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



28.8018, 0.3938, 0.2159



25.3284, 0.4155, 0.2115



77.9897, 0.2424, 0.3684



18.1902, 0.3190, 0.3134



12.6361, 0.4291, 0.2137



1.2507, 0.4135, 0.2052

Previews

White Background



This preview shows how the Yxy color 28.8022, 0.3938, 0.2159 looks on a white background.

Color Contrast Check

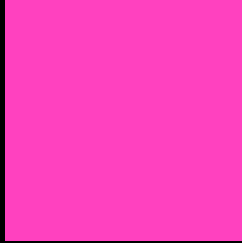
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8022, 0.3938, 0.2159 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 28.8022, 0.3938, 0.2159

Background



This preview shows how black text looks on a background with the Yxy color 28.8022, 0.3938, 0.2159.

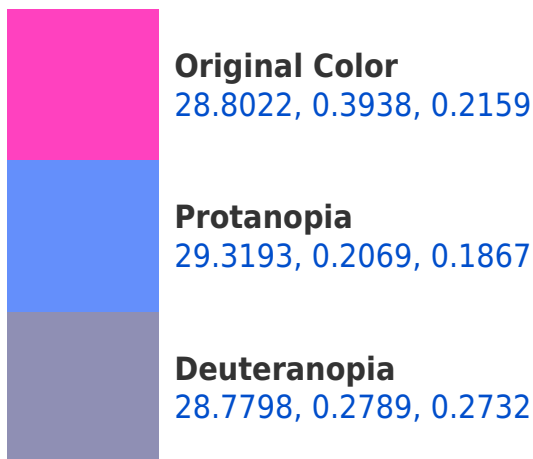


This preview shows how white text looks on a background with the Yxy color 28.8022, 0.3938, 0.2159.

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





Tritanopia

28.8627, 0.5062, 0.3249

Trichromacy



Original Color

28.8022, 0.3938, 0.2159



Protanomaly

24.9865, 0.2496, 0.1835



Deuteranomaly

25.9125, 0.3170, 0.2378



Tritanomaly

28.3617, 0.4693, 0.2830

Monochromacy



Original Color

28.8022, 0.3938, 0.2159



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.1359, 0.3443, 0.2640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8022, 0.3938, 0.2159 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, 65, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 65, 191)  
}
```

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, 65, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 65, 191) }
```

Border

The CSS property to change the border of an element to Yxy 28.8022, 0.3938, 0.2159 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, 65, 191) }
```

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

```
.border{ border-color:rgb(255, 65, 191) }
```

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

Here you see how a box with a 4 pixel rgb(255, 65, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 65, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 65, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 65,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8022, 0.3938, 0.2159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 65, 191) }
```

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

```
.background{ background-color: rgb(255, 65,  
191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor