

Converting Colors

$Y_{xy}(27.7742, 0.4016, 0.2162)$

Have a look what the booklet for
Yxy(27.7742, 0.4016, 0.2162)
contains.

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Color

Yxy(27.7314, 0.4016, 0.2160)

Conversions

Conversions Part 1

Format	Color
Hex	FF39BA
RGB	255, 57, 186
RGB Percent	100%, 22%, 73%
CMY	0.0001, 0.7762, 0.2705
CMYK	0.00, 0.78, 0.27, 0.00
HSL	321°, 100%, 61%
HSV	321°, 78%, 100%
XYZ	51.5599, 27.7314, 49.0948
YIQ	130.9080, 76.5990, 82.0950

Conversions

Conversions Part 2

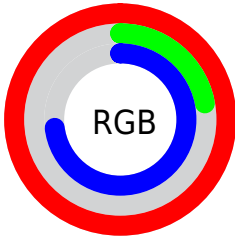
Format	Color
R _Y B	255, 57, 186
Decimal	16726458
CIE _{Lab}	59.65, 81.72, -22.94
CIE _{LCh}	60, 84.883, 344.320
Y _{xy}	27.7314, 0.4016, 0.2160
Android (android.graphics.Color)	4294916538 (0xFFFF39BA)
Y _{UV}	130.9080, 27.1604, 108.8287
Hunter-Lab	52.6606, 82.6128, -18.4129

Details

The Yxy color **27.7314, 0.4016, 0.2160** 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 **73.8825, 0.2805, 0.5028**, and the grayscale version is **22.5534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0861, 0.3301, 0.2155**, and **13.0309, 0.4191, 0.2082** is the 20% darker color. If you saturate the color by 10%, you get **25.4441, 0.4172, 0.2137**, and if you desaturate by 10%, it is **31.3094, 0.3861, 0.2233**.

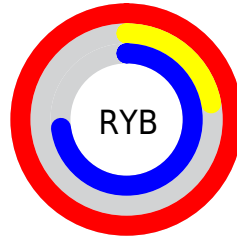
Distribution



Red (100%)

Green (22%)

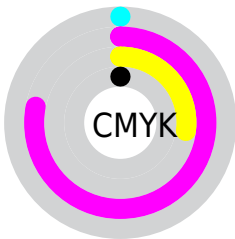
Blue (73%)



Red (100%)

Yellow (22%)

Blue (73%)

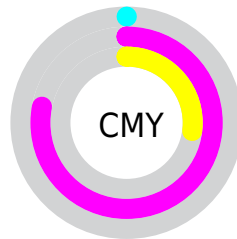


Cyan (0%)

Magenta (78%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (78%)

Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7314, 0.4016, 0.2160 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 27.7314, 0.4016, 0.2160 by changing the saturation by 10% instead.


 27.7314, 0.4016,
0.2160


 27.7314, 0.4016,
0.2160


291.1812, 0.3567,
0.2711


 18.1233, 0.4128,
0.2029


 56.0553, 0.3852,
0.2356

 11.0385, 0.4272,
0.1865


 75.5399, 0.3791,
0.2431


 6.0928, 0.4462,
0.1655


 99.0855, 0.3739,
0.2495

 2.9016, 0.4722,
0.1382

 127.0763, 0.3695,
0.2550

 1.0806, 0.5095,
0.1019

 159.8970, 0.3656,
0.2598

 0.0000, 0.5985,
0.0000


197.9317, 0.3623,

 0.0000, 0.7183,


0.2640

0.0000

241.5650, 0.3593,
0.2678

 0.0000, 0.0000,
0.0000

 27.7314, 0.4016,
0.2160


 27.7314, 0.4016,
0.2160


 25.4441, 0.4172,
0.2137


 31.3094, 0.3861,
0.2233


 24.2230, 0.4324,
0.2165

 36.3407, 0.3713,
0.2348

 24.0131, 0.4360,
0.2176

 42.9687, 0.3577,
0.2492

 51.3180, 0.3455,
0.2655

 61.5011, 0.3348,
0.2827

73.6208, 0.3256,
0.3000

87.7721, 0.3178,
0.3167

99.9952, 0.3127,
0.3290

Harmonies

Analogous

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



27.7314, 0.2617, 0.1667



27.7314, 0.4016, 0.2160



27.7314, 0.5318, 0.2849

Triad

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



27.7314, 0.4016, 0.2160



27.7314, 0.4246, 0.5455



27.7314, 0.1053, 0.2056

Complementary

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



27.7314, 0.4016, 0.2160



73.8825, 0.2805, 0.5028

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.



27.7314, 0.1281, 0.3225



27.7314, 0.4016, 0.2160



27.7314, 0.3086, 0.5929

Square

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



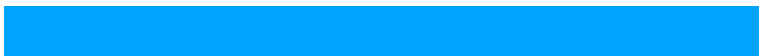
27.7314, 0.4016, 0.2160



27.7314, 0.5245, 0.4500



27.7314, 0.1990, 0.4977



27.7314, 0.1184, 0.1550

Rectangle

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



27.7314, 0.4016, 0.2160



27.7314, 0.5719, 0.3355



27.7314, 0.1990, 0.4977



27.7314, 0.1084, 0.2358

Sweetspot

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



27.7329, 0.4016, 0.2160



66.8709, 0.3304, 0.2907



14.3637, 0.2007, 0.1041



13.4094, 0.3338, 0.2845



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.



27.7329, 0.4016, 0.2160



24.6803, 0.4255, 0.2146



24.9262, 0.5458, 0.3054



18.1865, 0.3192, 0.3136



12.5795, 0.4336, 0.2162



1.2455, 0.4174, 0.2073

Inverse Universe

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



27.7329, 0.4016, 0.2160



24.6803, 0.4255, 0.2146



77.6488, 0.2414, 0.3703



18.1865, 0.3192, 0.3136



12.5795, 0.4336, 0.2162



1.2455, 0.4174, 0.2073

Previews

White Background



This preview shows how the Yxy color 27.7314, 0.4016, 0.2160 looks on a white background.

Color Contrast Check

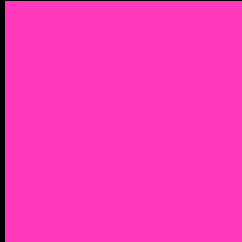
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7314, 0.4016, 0.2160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

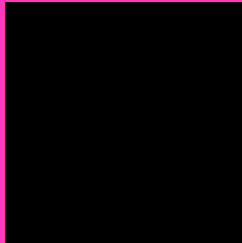
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7314, 0.4016, 0.2160

Background



This preview shows how black text looks on a background with the Yxy color 27.7314, 0.4016, 0.2160.

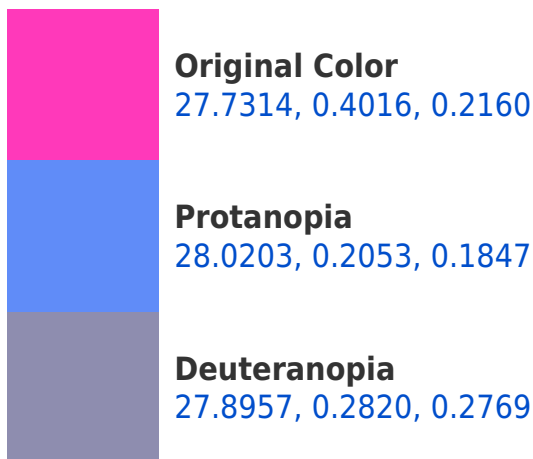


This preview shows how white text looks on a background with the Yxy color 27.7314, 0.4016, 0.2160.

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

27.7262, 0.5180, 0.3251

Trichromacy



Original Color

27.7314, 0.4016, 0.2160



Protanomaly

23.4581, 0.2499, 0.1804



Deuteranomaly

24.4738, 0.3217, 0.2368



Tritanomaly

27.3493, 0.4793, 0.2833

Monochromacy



Original Color

27.7314, 0.4016, 0.2160



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.3651, 0.3481, 0.2615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7314, 0.4016, 0.2160 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, 57, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 57, 186)  
}
```

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, 57, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 57, 186) }
```

Border

The CSS property to change the border of an element to Yxy 27.7314, 0.4016, 0.2160 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, 57, 186) }
```

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

```
.border{ border-color:rgb(255, 57, 186) }
```

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

Here you see how a box with a 4 pixel rgb(255, 57, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 57, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 57, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 57,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7314, 0.4016, 0.2160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 57, 186) }
```

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

```
.background{ background-color: rgb(255, 57,  
186) }
```

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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