

Converting Colors

$Y_{xy}(27.6502, 0.4279, 0.2367)$

Have a look what the booklet for
Yxy(27.6502, 0.4279, 0.2367)
contains.

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Color

Yxy(27.7168, 0.4276, 0.2368)

Conversions

Conversions Part 1

Format	Color
Hex	FF40A7
RGB	255, 64, 167
RGB Percent	100%, 25%, 65%
CMY	0.0000, 0.7490, 0.3450
CMYK	0.00, 0.75, 0.35, 0.00
HSL	328°, 100%, 63%
HSV	328°, 75%, 100%
XYZ	50.0494, 27.7168, 39.2811
YIQ	132.8510, 80.7730, 72.5250

Conversions

Conversions Part 2

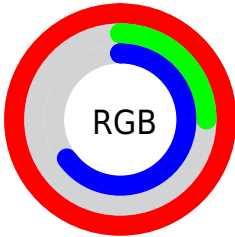
Format	Color
RYB	255, 64, 167
Decimal	16728231
CIELab	59.63, 77.76, -11.98
CIELCh	60, 78.677, 351.244
Yxy	27.7168, 0.4276, 0.2368
Android (android.graphics.Color)	4294918311 (0xFFFF40A7)
YUV	132.8510, 16.8355, 107.1247
Hunter-Lab	52.6467, 77.5619, -7.3850

Details

The Yxy color **27.7168, 0.4276, 0.2368** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **74.8757, 0.2717, 0.4672**, and the grayscale version is **23.3165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9723, 0.3490, 0.2357**, and **12.5753, 0.4562, 0.2287** is the 20% darker color. If you saturate the color by 10%, you get **25.0545, 0.4501, 0.2355**, and if you desaturate by 10%, it is **31.7347, 0.4057, 0.2431**.

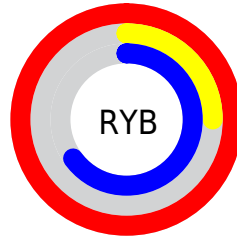
Distribution



Red (100%)

Green (25%)

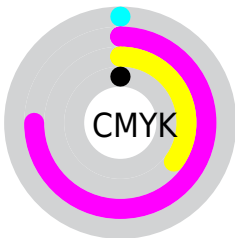
Blue (65%)



Red (100%)

Yellow (25%)

Blue (65%)

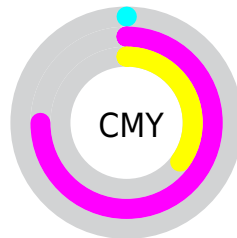


Cyan (0%)

Magenta (75%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (75%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7168, 0.4276, 0.2368 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 27.7168, 0.4276, 0.2368 by changing the saturation by 10% instead.


 27.7168, 0.4276,
0.2368


 27.7168, 0.4276,
0.2368


291.1112, 0.3674,
0.2835


 18.1123, 0.4434,
0.2251


 56.0320, 0.4051,
0.2538


 11.0306, 0.4640,
0.2102


 75.5114, 0.3969,
0.2602

 6.0874, 0.4920,
0.1906


 99.0513, 0.3900,
0.2656

 2.8983, 0.5320,
0.1638

 127.0361, 0.3841,
0.2702

 1.0789, 0.5923,
0.1260

 159.8500, 0.3790,
0.2742

 0.0000, 0.7457,
0.0000

197.8776, 0.3746,

 0.0000, 1.0000,

0.2777


0.0000

241.5032, 0.3708,
0.2807

 0.0000, 0.0000,
0.0000


 27.7168, 0.4276,
0.2368

 27.7168, 0.4276,
0.2368


 25.0545, 0.4501,
0.2355

 31.7347, 0.4057,
0.2431

 23.5470, 0.4722,
0.2397


 37.2634, 0.3853,
0.2532


 23.0812, 0.4831,
0.2435

 44.4415, 0.3671,
0.2658

 53.3906, 0.3512,
0.2798

 64.2209, 0.3377,
0.2943

 77.0333, 0.3263,
0.3087

 91.9217, 0.3168,
0.3225

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



27.7168, 0.2930, 0.1838



27.7168, 0.4276, 0.2368



27.7168, 0.5348, 0.3061

Triad

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



27.7168, 0.4276, 0.2368



27.7168, 0.3983, 0.5514



27.7168, 0.1153, 0.1983

Complementary

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



27.7168, 0.4276, 0.2368



74.8757, 0.2717, 0.4672

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.



27.7168, 0.1297, 0.2930



27.7168, 0.4276, 0.2368



27.7168, 0.2871, 0.5647

Square

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



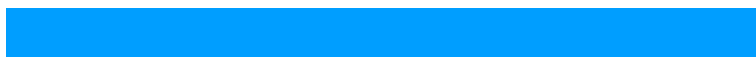
27.7168, 0.4276, 0.2368



27.7168, 0.4971, 0.4693



27.7168, 0.1878, 0.4474



27.7168, 0.1353, 0.1593

Rectangle

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



27.7168, 0.4276, 0.2368



27.7168, 0.5588, 0.3565



27.7168, 0.1878, 0.4474



27.7168, 0.1160, 0.2225

Sweetspot

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



27.7183, 0.4276, 0.2368



67.7268, 0.3342, 0.2985



17.3675, 0.2222, 0.1189



13.7933, 0.3374, 0.2946



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.



27.7183, 0.4276, 0.2368



24.1558, 0.4615, 0.2370



25.4160, 0.5630, 0.3230



18.1509, 0.3209, 0.3163



12.0911, 0.4797, 0.2416



1.1993, 0.4566, 0.2289

Inverse Universe

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



27.7183, 0.4276, 0.2368



24.1558, 0.4615, 0.2370



79.2291, 0.2338, 0.3403



18.1509, 0.3209, 0.3163



12.0911, 0.4797, 0.2416



1.1993, 0.4566, 0.2289

Previews

White Background



This preview shows how the Yxy color 27.7168, 0.4276, 0.2368 looks on a white background.

Color Contrast Check

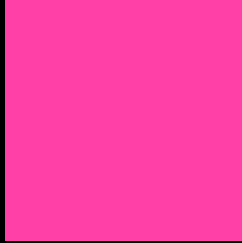
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7168, 0.4276, 0.2368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

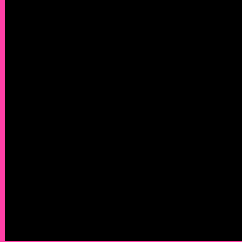
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7168, 0.4276, 0.2368

Background



This preview shows how black text looks on a background with the Yxy color 27.7168, 0.4276, 0.2368.



This preview shows how white text looks on a background with the Yxy color 27.7168, 0.4276, 0.2368.

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

27.7168, 0.4276, 0.2368

Protanopia

27.9301, 0.2296, 0.2163

Deuteranopia

27.8659, 0.3086, 0.3027



Tritanopia

27.7349, 0.5235, 0.3252

Trichromacy



Original Color

27.7168, 0.4276, 0.2368



Protanomaly

24.2428, 0.2819, 0.2111



Deuteranomaly

24.9804, 0.3497, 0.2630



Tritanomaly

27.4761, 0.4915, 0.2923

Monochromacy



Original Color

27.7168, 0.4276, 0.2368



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

22.1166, 0.3564, 0.2755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7168, 0.4276, 0.2368 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, 64, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 167)  
}
```

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, 64, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 167) }
```

Border

The CSS property to change the border of an element to Yxy 27.7168, 0.4276, 0.2368 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, 64, 167) }
```

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

```
.border{ border-color:rgb(255, 64, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 64, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7168, 0.4276, 0.2368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 167) }
```

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

```
.background{ background-color: rgb(255, 64,  
167) }
```

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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