

Converting Colors

$Y_{xy}(32.6900, 0.4454, 0.2488)$

Have a look what the booklet for
Yxy(32.6900, 0.4454, 0.2488)
contains.

Yxy(28.5936, 0.4247, 0.2402)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.5936, 0.4247, 0.2402)

Conversions

Conversions Part 1

Format	Color
Hex	FF47A8
RGB	255, 71, 168
RGB Percent	100%, 28%, 66%
CMY	0.0000, 0.7214, 0.3413
CMYK	0.00, 0.72, 0.34, 0.00
HSL	328°, 100%, 64%
HSV	328°, 72%, 100%
XYZ	50.5566, 28.5936, 39.8906
YIQ	137.0740, 78.5270, 69.1750

Conversions

Conversions Part 2

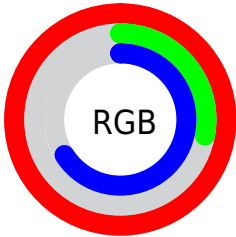
Format	Color
RYB	255, 71, 168
Decimal	16730024
CIELab	60.42, 75.72, -11.35
CIElCh	60, 76.563, 351.476
Yxy	28.5936, 0.4247, 0.2402
Android (android.graphics.Color)	4294920104 (0xFFFF47A8)
YUV	137.0740, 15.2465, 103.4211
Hunter-Lab	53.4730, 75.1871, -6.7989

Details

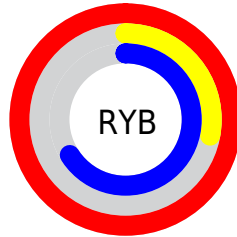
The Yxy color **28.5936, 0.4247, 0.2402** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **75.3240, 0.2709, 0.4581**, and the grayscale version is **24.9700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3628, 0.3474, 0.2393**, and **12.5984, 0.4541, 0.2275** is the 20% darker color. If you saturate the color by 10%, you get **25.5734, 0.4480, 0.2377**, and if you desaturate by 10%, it is **33.0182, 0.4024, 0.2474**.

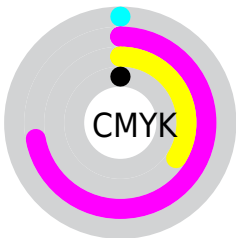
Distribution



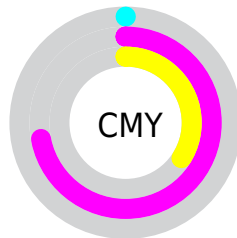
- Red (100%)
- Green (28%)
- Blue (66%)



- Red (100%)
- Yellow (28%)
- Blue (66%)



- Cyan (0%)
- Magenta (72%)
- Yellow (34%)
- Black (0%)




- Cyan (0%)
- Magenta (72%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5936, 0.4247, 0.2402 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 28.5936, 0.4247, 0.2402 by changing the saturation by 10% instead.

 28.5936, 0.4247,
0.2402


 28.5936, 0.4247,
0.2402


295.2926, 0.3662,
0.2851


 18.7736, 0.4400,
0.2290


 57.4308, 0.4029,
0.2566

 11.5068, 0.4600,
0.2146


 77.2167, 0.3949,
0.2627

 6.4088, 0.4871,
0.1957


 101.0935, 0.3881,
0.2679

 3.0952, 0.5258,
0.1698

 129.4454, 0.3824,
0.2723

 1.1816, 0.5842,
0.1332

162.6568, 0.3775,
0.2762

 0.0466, 0.7285,
0.0142

201.1123, 0.3732,

 0.0000, 1.0000,

0.2795

0.0000


245.1961, 0.3695,
0.2825


 0.0000, 0.0000,
0.0000


 28.5936, 0.4247,
0.2402


 28.5936, 0.4247,
0.2402


 25.5734, 0.4480,
0.2377


 33.0182, 0.4024,
0.2474


 23.7688, 0.4710,
0.2407

 38.9951, 0.3819,
0.2580

 22.9899, 0.4885,
0.2464

 46.6582, 0.3638,
0.2709

 56.1258, 0.3481,
0.2848

 67.5053, 0.3349,
0.2990

 80.8957, 0.3237,
0.3130

 96.3890, 0.3145,
0.3263

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



28.5936, 0.2949, 0.1880



28.5936, 0.4247, 0.2402



28.5936, 0.5276, 0.3085

Triad

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



28.5936, 0.4247, 0.2402



28.5936, 0.3970, 0.5454



28.5936, 0.1202, 0.2022

Complementary

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



28.5936, 0.4247, 0.2402



75.3240, 0.2709, 0.4581

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.



28.5936, 0.1346, 0.2942



28.5936, 0.4247, 0.2402



28.5936, 0.2886, 0.5545

Square

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



28.5936, 0.4247, 0.2402



28.5936, 0.4926, 0.4682



28.5936, 0.1917, 0.4415



28.5936, 0.1401, 0.1638

Rectangle

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



28.5936, 0.4247, 0.2402



28.5936, 0.5511, 0.3582



28.5936, 0.1917, 0.4415



28.5936, 0.1209, 0.2259

Sweetspot

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



28.5951, 0.4247, 0.2402



67.6882, 0.3347, 0.2992



18.8861, 0.2286, 0.1263



13.7842, 0.3381, 0.2954



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.



28.5951, 0.4247, 0.2402



24.5603, 0.4593, 0.2385



26.3069, 0.5542, 0.3251



18.1471, 0.3211, 0.3165



12.0443, 0.4850, 0.2445



1.1948, 0.4611, 0.2314

Inverse Universe

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



28.5951, 0.4247, 0.2402



24.5603, 0.4593, 0.2385



79.6846, 0.2338, 0.3361



18.1471, 0.3211, 0.3165



12.0443, 0.4850, 0.2445



1.1948, 0.4611, 0.2314

Previews

White Background



This preview shows how the Yxy color 28.5936, 0.4247, 0.2402 looks on a white background.

Color Contrast Check

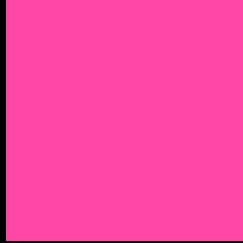
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5936, 0.4247, 0.2402 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 28.5936, 0.4247, 0.2402

Background



This preview shows how black text looks on a background with the Yxy color 28.5936, 0.4247, 0.2402.



This preview shows how white text looks on a background with the Yxy color 28.5936, 0.4247, 0.2402.

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

28.5936, 0.4247, 0.2402

Protanopia

29.0734, 0.2349, 0.2238

Deuteranopia

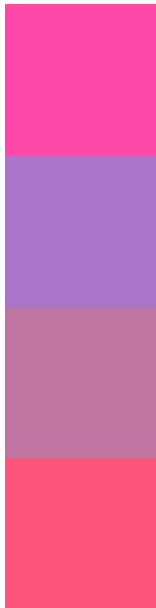
28.6846, 0.3097, 0.3045



Tritanopia

28.6507, 0.5137, 0.3251

Trichromacy



Original Color

28.5936, 0.4247, 0.2402

Protanomaly

25.4388, 0.2861, 0.2182

Deuteranomaly

26.1758, 0.3500, 0.2675

Tritanomaly

28.4412, 0.4842, 0.2941

Monochromacy



Original Color

28.5936, 0.4247, 0.2402

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

23.6517, 0.3550, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5936, 0.4247, 0.2402 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, 71, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 168)  
}
```

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, 71, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 168) }
```

Border

The CSS property to change the border of an element to Yxy 28.5936, 0.4247, 0.2402 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, 71, 168) }
```

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

```
.border{ border-color:rgb(255, 71, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 71, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5936, 0.4247, 0.2402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 168) }
```

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

```
.background{ background-color: rgb(255, 71,  
168) }
```

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