

Converting Colors

$Y_{xy}(28.5155, 0.3507, 0.1954)$

Have a look what the booklet for
Yxy(28.5155, 0.3507, 0.1954)
contains.

| | |
|---|----|
| Yxy(28.4974, 0.3501, 0.1951) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(28.4974, 0.3501, 0.1951)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F249D6 |
| RGB | 242, 73, 214 |
| RGB Percent | 95%, 29%, 84% |
| CMY | 0.0510, 0.7137, 0.1607 |
| CMYK | 0.00, 0.70, 0.12, 0.05 |
| HSL | 310°, 87%, 62% |
| HSV | 310°, 70%, 95% |
| XYZ | 51.1376, 28.4974, 66.4306 |
| YIQ | 139.6050, 55.4630, 79.6790 |

Conversions

Conversions Part 2

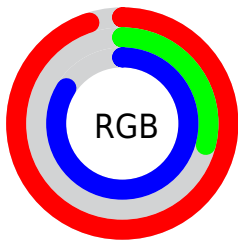
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 242, 73, 214 |
| Decimal | 15878614 |
| CIE Lab | 60.34, 77.63, -38.02 |
| CIE LCh | 60, 86.441, 333.910 |
| Yxy | 28.4974, 0.3501, 0.1951 |
| Android (android.graphics.Color) | 4294068694 (0xFFFF249D6) |
| YUV | 139.6050, 36.6767, 89.8004 |
| Hunter-Lab | 53.3830, 77.5718, -36.4134 |

Details

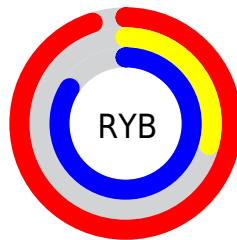
The Yxy color **28.4974, 0.3501, 0.1951** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **65.8576, 0.2929, 0.5236**, and the grayscale version is **25.9065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8079, 0.3181, 0.2144**, and **12.4483, 0.3556, 0.1732** is the 20% darker color. If you saturate the color by 10%, you get **25.7107, 0.3565, 0.1858**, and if you desaturate by 10%, it is **32.5281, 0.3436, 0.2087**.

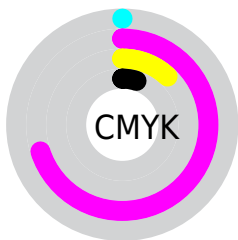
Distribution



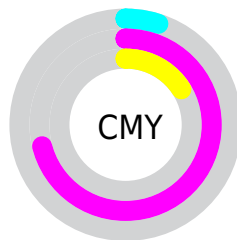
- Red (95%)
- Green (29%)
- Blue (84%)



- Red (95%)
- Yellow (29%)
- Blue (84%)



- Cyan (0%)
- Magenta (70%)
- Yellow (12%)
- Black (5%)



- Cyan (5%)
- Magenta (71%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4974, 0.3501, 0.1951 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 28.4974, 0.3501, 0.1951 by changing the saturation by 10% instead.


 28.4974, 0.3501,
0.1951


 28.4974, 0.3501,
0.1951


294.8361, 0.3338,
0.2580


 18.7009, 0.3534,
0.1809


 57.2776, 0.3448,
0.2169


 11.4544, 0.3571,
0.1635


 77.0301, 0.3426,
0.2254

 6.3733, 0.3613,
0.1419


 100.8701, 0.3407,
0.2327

 3.0734, 0.3657,
0.1150

 129.1820, 0.3390,
0.2391

 1.1702, 0.3692,
0.0814

162.3501, 0.3375,
0.2447

 0.0371, 0.3825,
0.0058

200.7589, 0.3362,

 0.0000, 0.3552,

0.2497


0.0000


244.7928, 0.3349,
0.2541

 0.0000, 0.0000,
0.0000

 28.4974, 0.3501,
0.1951


 28.4974, 0.3501,
0.1951


 25.7107, 0.3565,
0.1858

 32.5281, 0.3436,
0.2087


 24.0112, 0.3627,
0.1811


 37.9269, 0.3373,
0.2257

 23.1490, 0.3686,
0.1805


 44.8075, 0.3313,
0.2451


 23.1368, 0.3687,
0.1805

 53.2706, 0.3258,
0.2660

 63.4081, 0.3209,
0.2875

 75.3047, 0.3165,
0.3088

 89.0395, 0.3127,
0.3293

 97.0545, 0.3098,
0.3377

 97.3034, 0.3075,
0.3338

Harmonies

Analogous

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



28.4974, 0.2222, 0.1551



28.4974, 0.3501, 0.1951



28.4974, 0.4951, 0.2591

Triad

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



28.4974, 0.3501, 0.1951



28.4974, 0.4629, 0.5142



28.4974, 0.1074, 0.2363

Complementary

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



28.4974, 0.3501, 0.1951



65.8576, 0.2929, 0.5236

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.



28.4974, 0.1456, 0.3812



28.4974, 0.3501, 0.1951



28.4974, 0.3489, 0.5906

Square

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



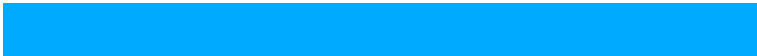
28.4974, 0.3501, 0.1951



28.4974, 0.5510, 0.4176



28.4974, 0.2335, 0.5508



28.4974, 0.1090, 0.1657

Rectangle

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



28.4974, 0.3501, 0.1951



28.4974, 0.5590, 0.3083



28.4974, 0.2335, 0.5508



28.4974, 0.1149, 0.2757

Sweetspot

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



28.4988, 0.3501, 0.1951



69.9053, 0.3214, 0.2848



13.7942, 0.1914, 0.1124



14.2586, 0.3228, 0.2789



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.



28.4988, 0.3501, 0.1951



27.9744, 0.3593, 0.1831



25.3134, 0.4643, 0.2722



15.9838, 0.3163, 0.3095



12.4474, 0.3678, 0.1800



1.0473, 0.3605, 0.1760

Inverse Universe

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



28.4988, 0.3501, 0.1951



27.9744, 0.3593, 0.1831



68.3308, 0.2577, 0.4092



15.9838, 0.3163, 0.3095



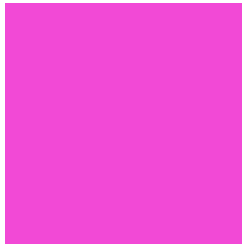
12.4474, 0.3678, 0.1800



1.0473, 0.3605, 0.1760

Previews

White Background



This preview shows how the Yxy color 28.4974, 0.3501, 0.1951 looks on a white background.

Color Contrast Check

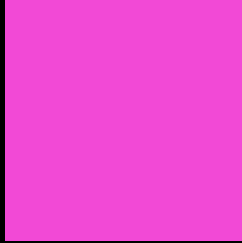
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4974, 0.3501, 0.1951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

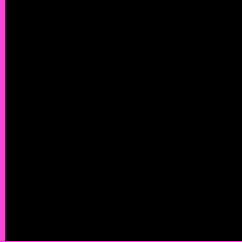
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4974, 0.3501, 0.1951

Background



This preview shows how black text looks on a background with the Yxy color 28.4974, 0.3501, 0.1951.



This preview shows how white text looks on a background with the Yxy color 28.4974, 0.3501, 0.1951.

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

28.4974, 0.3501, 0.1951

Protanopia

28.9457, 0.2024, 0.1812

Deuteranopia

28.6939, 0.2477, 0.2421



Tritanopia

28.4288, 0.4671, 0.3219

Trichromacy



Original Color

28.4974, 0.3501, 0.1951



Protanomaly

25.3097, 0.2364, 0.1744



Deuteranomaly

25.7867, 0.2780, 0.2115



Tritanomaly

27.8315, 0.4255, 0.2695

Monochromacy



Original Color

28.4974, 0.3501, 0.1951



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.6279, 0.3278, 0.2575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4974, 0.3501, 0.1951 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(242, 73, 214)` looks like.

```
.text, #text, p{  
    color:rgb(242, 73, 214)  
}
```

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(242, 73, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 73, 214) }
```

Border

The CSS property to change the border of an element to Yxy 28.4974, 0.3501, 0.1951 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(242, 73, 214) }
```

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

```
.border{ border-color:rgb(242, 73, 214) }
```

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

Here you see how a box with a 4 pixel rgb(242, 73, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 73, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 73, 214);  
box-shadow:4px 4px 4px 4px rgb(242, 73,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4974, 0.3501, 0.1951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 73, 214) }
```

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

```
.background{ background-color: rgb(242, 73,  
214) }
```

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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