

Converting Colors

$Y_{xy}(47.9509, 0.3216, 0.2335)$

Have a look what the booklet for
Yxy(47.9509, 0.3216, 0.2335)
contains.

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Color

Yxy(47.8512, 0.3216, 0.2332)

Conversions

Conversions Part 1

Format	Color
Hex	F994F4
RGB	249, 148, 244
RGB Percent	98%, 58%, 96%
CMY	0.0235, 0.4196, 0.0431
CMYK	0.00, 0.41, 0.02, 0.02
HSL	303°, 89%, 78%
HSV	303°, 41%, 98%
XYZ	65.9903, 47.8512, 91.3523
YIQ	189.1430, 29.3800, 51.2680

Conversions

Conversions Part 2

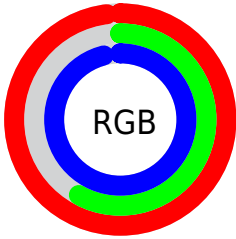
Format	Color
R _Y B	249, 148, 244
Decimal	16356596
CIE Lab	74.73, 51.66, -32.20
CIE LCh	75, 60.874, 328.065
Yxy	47.8512, 0.3216, 0.2332
Android (android.graphics.Color)	4294546676 (0xFFFF994F4)
YUV	189.1430, 27.0445, 52.4946
Hunter-Lab	69.1746, 49.2278, -29.8765

Details

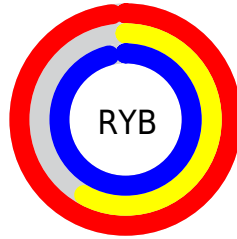
The Yxy color **47.8512, 0.3216, 0.2332** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **76.3559, 0.3043, 0.4483**, and the grayscale version is **50.8060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6657, 0.3151, 0.2792**, and **22.6696, 0.3229, 0.2125** is the 20% darker color. If you saturate the color by 10%, you get **40.7894, 0.3240, 0.2121**, and if you desaturate by 10%, it is **56.5979, 0.3192, 0.2562**.

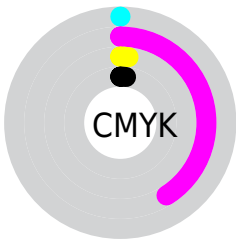
Distribution



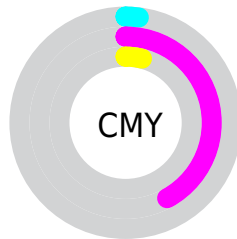
- Red (98%)
- Green (58%)
- Blue (96%)



- Red (98%)
- Yellow (58%)
- Blue (96%)



- Cyan (0%)
- Magenta (41%)
- Yellow (2%)
- Black (2%)





- Cyan (2%)
- Magenta (42%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8512, 0.3216, 0.2332 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 47.8512, 0.3216, 0.2332 by changing the saturation by 10% instead.


 47.8512, 0.3216,
0.2332


 47.8512, 0.3216,
0.2332


378.2020, 0.3188,
0.2766

 33.7091, 0.3219,
0.2236


 86.9828, 0.3209,
0.2480

 22.6702, 0.3221,
0.2119


 112.7411, 0.3205,
0.2539

 14.3502, 0.3221,
0.1974

143.1402, 0.3202,
0.2589

 8.3646, 0.3216,
0.1791

178.5645, 0.3199,
0.2634

 4.3291, 0.3200,
0.1553

219.3985, 0.3196,
0.2673

 1.8593, 0.3160,
0.1238

266.0264, 0.3193,

 0.5237, 0.3079,

0.2707

318.8328, 0.3190,
0.2738

0.0756

0.0000, 0.2849,
0.0000

0.0000, 0.0000,
0.0000

47.8512, 0.3216,
0.2332

47.8512, 0.3216,
0.2332

40.7894, 0.3240,
0.2121

56.5979, 0.3192,
0.2562

35.2973, 0.3264,
0.1939

67.1221, 0.3169,
0.2802

31.2555, 0.3286,
0.1794

79.5175, 0.3148,
0.3042

28.5247, 0.3307,
0.1692

93.8691, 0.3128,
0.3277

■ 26.9384, 0.3325,
0.1634

■ 98.5757, 0.3118,
0.3336

■ 26.2378, 0.3340,
0.1613

■ 98.6535, 0.3111,
0.3324

■ 98.7317, 0.3104,
0.3313

■ 98.8105, 0.3097,
0.3301

■ 98.8824, 0.3090,
0.3290

Harmonies

Analogous

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



47.8512, 0.2440, 0.2077



47.8512, 0.3216, 0.2332



47.8512, 0.4075, 0.2779

Triad

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



47.8512, 0.3216, 0.2332



47.8512, 0.4361, 0.4517



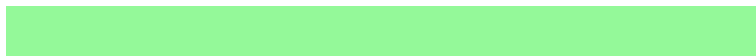
47.8512, 0.1788, 0.2930

Complementary

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



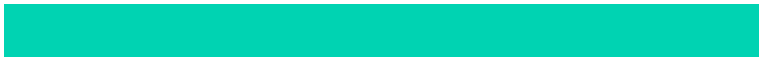
47.8512, 0.3216, 0.2332



76.3559, 0.3043, 0.4483

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.



47.8512, 0.2185, 0.3819



47.8512, 0.3216, 0.2332



47.8512, 0.3664, 0.4843

Square

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



47.8512, 0.3216, 0.2332



47.8512, 0.4759, 0.3949



47.8512, 0.2868, 0.4615



47.8512, 0.1709, 0.2327

Rectangle

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



47.8512, 0.3216, 0.2332



47.8512, 0.4524, 0.3146



47.8512, 0.2868, 0.4615



47.8512, 0.1884, 0.3205

Sweetspot

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



47.8533, 0.3216, 0.2332



81.9093, 0.3151, 0.3008



34.6334, 0.2393, 0.2045



17.1493, 0.3154, 0.2976



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.



47.8533, 0.3216, 0.2332



44.0662, 0.3237, 0.2151



45.2676, 0.3672, 0.2792



17.5088, 0.3146, 0.3068



14.0493, 0.3337, 0.1612



1.3057, 0.3321, 0.1603

Inverse Universe

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



47.8533, 0.3216, 0.2332



44.0662, 0.3237, 0.2151



78.3141, 0.2795, 0.3858



17.5088, 0.3146, 0.3068



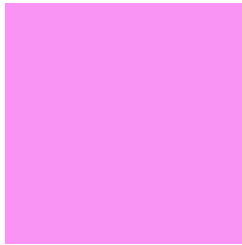
14.0493, 0.3337, 0.1612



1.3057, 0.3321, 0.1603

Previews

White Background



This preview shows how the Yxy color 47.8512, 0.3216, 0.2332 looks on a white background.

Color Contrast Check

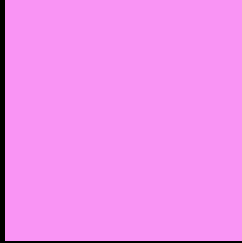
Large Text (above 18pt) WCAG AA × Fail

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 47.8512, 0.3216, 0.2332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

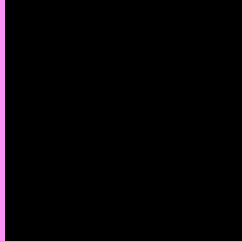
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8512, 0.3216, 0.2332

Background



This preview shows how black text looks on a background with the Yxy color 47.8512, 0.3216, 0.2332.

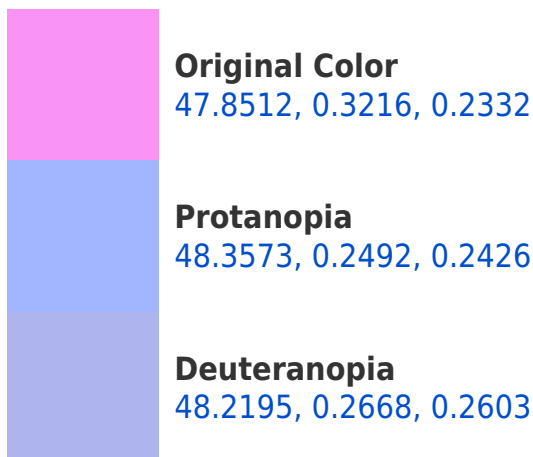


This preview shows how white text looks on a background with the Yxy color 47.8512, 0.3216, 0.2332.

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

47.8148, 0.3750, 0.3159

Trichromacy



Original Color

47.8512, 0.3216, 0.2332



Protanomaly

47.1838, 0.2719, 0.2374



Deuteranomaly

47.0847, 0.2846, 0.2481



Tritanomaly

47.6785, 0.3549, 0.2838

Monochromacy



Original Color

47.8512, 0.3216, 0.2332



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

48.7244, 0.3164, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8512, 0.3216, 0.2332 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(249, 148, 244)` looks like.

```
.text, #text, p{  
    color:rgb(249, 148, 244)  
}
```

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(249, 148, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 148, 244) }
```

Border

The CSS property to change the border of an element to Yxy 47.8512, 0.3216, 0.2332 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(249, 148, 244) }
```

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

```
.border{ border-color:rgb(249, 148, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 148, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 148, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 148, 244);  
box-shadow:4px 4px 4px 4px rgb(249, 148,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8512, 0.3216, 0.2332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 148, 244) }
```

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

```
.background{ background-color: rgb(249,  
148, 244) }
```

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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