

Converting Colors

$Y_{xy}(51.1771, 0.3507, 0.2464)$

Have a look what the booklet for
Yxy(51.1771, 0.3507, 0.2464)
contains.

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Color

Yxy(47.7583, 0.3357, 0.2416)

Conversions

Conversions Part 1

Format	Color
Hex	FF92EA
RGB	255, 146, 234
RGB Percent	100%, 57%, 92%
CMY	0.0001, 0.4273, 0.0824
CMYK	0.00, 0.43, 0.08, 0.00
HSL	312°, 100%, 79%
HSV	312°, 43%, 100%
XYZ	66.3595, 47.7583, 83.5573
YIQ	188.6230, 36.7160, 50.4760

Conversions

Conversions Part 2

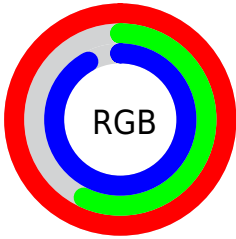
Format	Color
R _Y B	255, 146, 234
Decimal	16749290
CIE Lab	74.67, 52.74, -26.78
CIE LCh	75, 59.145, 333.083
Yxy	47.7583, 0.3357, 0.2416
Android (android.graphics.Color)	4294939370 (0xFFFF92EA)
YUV	188.6230, 22.3709, 58.2126
Hunter-Lab	69.1074, 50.4645, -23.3120

Details

The Yxy color **47.7583, 0.3357, 0.2416** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.4016, 0.2963, 0.4365**, and the grayscale version is **50.5198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7211, 0.3151, 0.2772**, and **22.6044, 0.3399, 0.2219** is the 20% darker color. If you saturate the color by 10%, you get **40.4769, 0.3427, 0.2232**, and if you desaturate by 10%, it is **56.8046, 0.3292, 0.2617**.

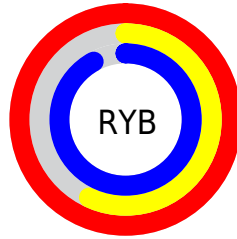
Distribution



Red (100%)

Green (57%)

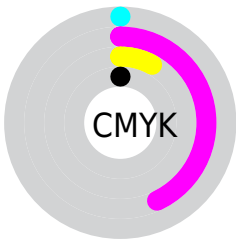
Blue (92%)



Red (100%)

Yellow (57%)

Blue (92%)

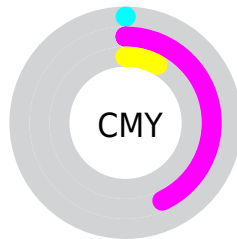


Cyan (0%)

Magenta (43%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (43%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7583, 0.3357, 0.2416 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 47.7583, 0.3357, 0.2416 by changing the saturation by 10% instead.


 47.7583, 0.3357,
0.2416


 47.7583, 0.3357,
0.2416


377.8333, 0.3258,
0.2816

 33.6355, 0.3378,
0.2327


 86.8444, 0.3324,
0.2553

 22.6137, 0.3402,
0.2217


 112.5766, 0.3311,
0.2607

 14.3086, 0.3431,
0.2081


142.9473, 0.3299,
0.2654

 8.3356, 0.3466,
0.1906

178.3410, 0.3289,
0.2694

 4.3104, 0.3507,
0.1676

219.1420, 0.3280,
0.2730

 1.8487, 0.3553,
0.1365

265.7348, 0.3272,

 0.5172, 0.3618,

0.2762

0.0863

318.5038, 0.3264,
0.2790

0.0000, 0.3668,
0.0000

0.0000, 0.0000,
0.0000

47.7583, 0.3357,
0.2416

47.7583, 0.3357,
0.2416

40.4769, 0.3427,
0.2232

56.8046, 0.3292,
0.2617

34.8359, 0.3502,
0.2075

67.7164, 0.3234,
0.2826

30.7050, 0.3578,
0.1955

80.5943, 0.3183,
0.3034

27.9315, 0.3654,
0.1879

95.5298, 0.3138,
0.3236

■ 26.3298, 0.3727,
0.1851

99.9934, 0.3127,
0.3290

■ 25.7039, 0.3778,
0.1855

Harmonies

Analogous

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



47.7583, 0.2570, 0.2131



47.7583, 0.3357, 0.2416



47.7583, 0.4174, 0.2879

Triad

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



47.7583, 0.3357, 0.2416



47.7583, 0.4235, 0.4567



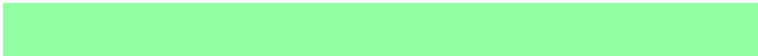
47.7583, 0.1785, 0.2821

Complementary

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



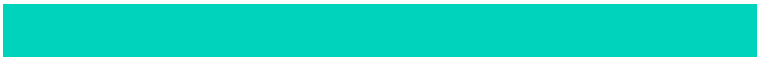
47.7583, 0.3357, 0.2416



80.4016, 0.2963, 0.4365

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.



47.7583, 0.2123, 0.3652



47.7583, 0.3357, 0.2416



47.7583, 0.3527, 0.4806

Square

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



47.7583, 0.3357, 0.2416



47.7583, 0.4682, 0.4038



47.7583, 0.2753, 0.4474



47.7583, 0.1757, 0.2287

Rectangle

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



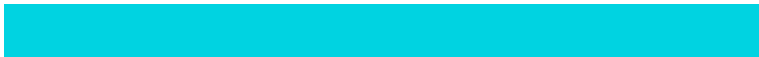
47.7583, 0.3357, 0.2416



47.7583, 0.4566, 0.3249



47.7583, 0.2753, 0.4474



47.7583, 0.1862, 0.3072

Sweetspot

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



47.7605, 0.3357, 0.2416



80.2387, 0.3184, 0.3028



35.8918, 0.2459, 0.2004



16.5312, 0.3195, 0.2983



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.



47.7605, 0.3357, 0.2416



41.6257, 0.3415, 0.2262



45.1371, 0.3884, 0.2932



18.2369, 0.3168, 0.3100



13.4563, 0.3767, 0.1849



1.3249, 0.3691, 0.1807

Inverse Universe

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



47.7605, 0.3357, 0.2416



41.6257, 0.3415, 0.2262



82.8037, 0.2702, 0.3693



18.2369, 0.3168, 0.3100



13.4563, 0.3767, 0.1849



1.3249, 0.3691, 0.1807

Previews

White Background



This preview shows how the Yxy color 47.7583, 0.3357, 0.2416 looks on a white background.

Color Contrast Check

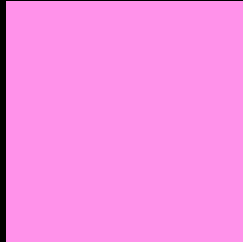
Large Text (above 18pt) WCAG AA × Fail

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 47.7583, 0.3357, 0.2416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

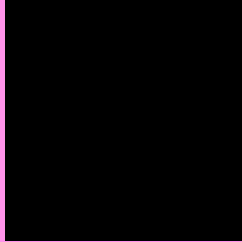
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7583, 0.3357, 0.2416

Background



This preview shows how black text looks on a background with the Yxy color 47.7583, 0.3357, 0.2416.



This preview shows how white text looks on a background with the Yxy color 47.7583, 0.3357, 0.2416.

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

47.7583, 0.3357, 0.2416

Protanopia

48.3573, 0.2492, 0.2426

Deuteranopia

47.9473, 0.2774, 0.2706



Tritanopia

47.6930, 0.3877, 0.3163

Trichromacy



Original Color

47.7583, 0.3357, 0.2416



Protanomaly

46.8271, 0.2759, 0.2404



Deuteranomaly

46.9838, 0.2967, 0.2580



Tritanomaly

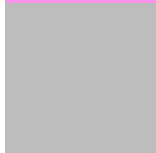
47.5155, 0.3689, 0.2870

Monochromacy



Original Color

47.7583, 0.3357, 0.2416



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

48.4411, 0.3214, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7583, 0.3357, 0.2416 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, 146, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 234)  
}
```

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, 146, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 234) }
```

Border

The CSS property to change the border of an element to Yxy 47.7583, 0.3357, 0.2416 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, 146, 234) }
```

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

```
.border{ border-color:rgb(255, 146, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 146, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 146, 234); box-shadow:4px 4px 4px 4px rgb(255, 146, 234) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7583, 0.3357, 0.2416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 234) }
```

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

```
.background{ background-color: rgb(255,  
146, 234) }
```

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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