

Converting Colors

$Y_{xy}(47.2970, 0.3201, 0.2215)$

Have a look what the booklet for
Yxy(47.2970, 0.3201, 0.2215)
contains.

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Color

Yxy(47.3380, 0.3204, 0.2219)

Conversions

Conversions Part 1

Format	Color
Hex	FF8DFC
RGB	255, 141, 252
RGB Percent	100%, 55%, 99%
CMY	0.0000, 0.4472, 0.0117
CMYK	0.00, 0.45, 0.01, 0.00
HSL	302°, 100%, 78%
HSV	302°, 45%, 100%
XYZ	68.3510, 47.3380, 97.6413
YIQ	187.7400, 32.3130, 58.6890

Conversions

Conversions Part 2

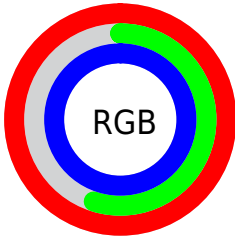
Format	Color
R _Y B	255, 141, 252
Decimal	16748028
CIE Lab	74.41, 58.28, -36.99
CIE LCh	74, 69.031, 327.595
Yxy	47.3380, 0.3204, 0.2219
Android (android.graphics.Color)	4294938108 (0xFFFF8DFC)
YUV	187.7400, 31.6802, 58.9870
Hunter-Lab	68.8026, 56.9239, -35.9796

Details

The Yxy color **47.3380, 0.3204, 0.2219** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.1924, 0.3047, 0.4661**, and the grayscale version is **49.9275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4125, 0.3154, 0.2722**, and **22.3315, 0.3200, 0.1988** is the 20% darker color. If you saturate the color by 10%, you get **40.6160, 0.3221, 0.2016**, and if you desaturate by 10%, it is **55.7754, 0.3186, 0.2446**.

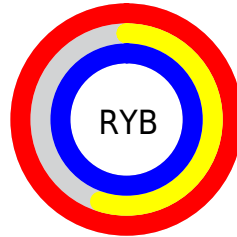
Distribution



Red (100%)

Green (55%)

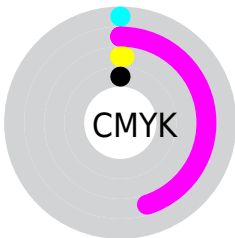
Blue (99%)



Red (100%)

Yellow (55%)

Blue (99%)

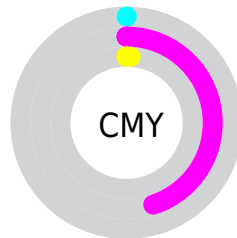


Cyan (0%)

Magenta (45%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3380, 0.3204, 0.2219 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 47.3380, 0.3204, 0.2219 by changing the saturation by 10% instead.


 47.3380, 0.3204,
0.2219


 47.3380, 0.3204,
0.2219


376.1621, 0.3186,
0.2698

 33.3029, 0.3204,
0.2115


 86.2179, 0.3201,
0.2381

 22.3586, 0.3202,
0.1989


 111.8316, 0.3199,
0.2446

 14.1206, 0.3195,
0.1834


142.0736, 0.3197,
0.2502

 8.2046, 0.3182,
0.1641

177.3283, 0.3194,
0.2551

 4.2262, 0.3153,
0.1395

217.9801, 0.3192,
0.2594

 1.8009, 0.3092,
0.1079

264.4134, 0.3190,

 0.4877, 0.2979,

0.2633

0.0611

317.0126, 0.3188,
0.2667

0.0000, 0.2699,
0.0000

0.0000, 0.0000,
0.0000

47.3380, 0.3204,
0.2219

47.3380, 0.3204,
0.2219

40.6160, 0.3221,
0.2016

55.7754, 0.3186,
0.2446

35.5122, 0.3237,
0.1846

66.0605, 0.3168,
0.2688

31.8829, 0.3251,
0.1717

78.2855, 0.3151,
0.2934

29.5701, 0.3263,
0.1632

92.5433, 0.3134,
0.3178

■ 28.3794, 0.3273,
0.1589

100.0000, 0.3127,
0.3290

■ 28.0574, 0.3277,
0.1579

Harmonies

Analogous

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



47.3380, 0.2341, 0.1944



47.3380, 0.3204, 0.2219



47.3380, 0.4188, 0.2702

Triad

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



47.3380, 0.3204, 0.2219



47.3380, 0.4498, 0.4629



47.3380, 0.1638, 0.2878

Complementary

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



47.3380, 0.3204, 0.2219



79.1924, 0.3047, 0.4661

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.



47.3380, 0.2070, 0.3908



47.3380, 0.3204, 0.2219



47.3380, 0.3714, 0.5052

Square

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



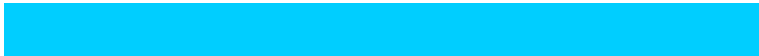
47.3380, 0.3204, 0.2219



47.3380, 0.4961, 0.3976



47.3380, 0.2827, 0.4836



47.3380, 0.1556, 0.2208

Rectangle

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



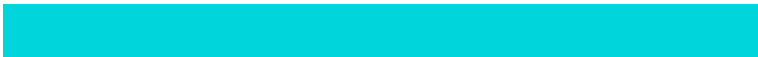
47.3380, 0.3204, 0.2219



47.3380, 0.4706, 0.3100



47.3380, 0.2827, 0.4836



47.3380, 0.1742, 0.3192

Sweetspot

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



47.3302, 0.3204, 0.2219



80.5871, 0.3148, 0.2976



32.0892, 0.2291, 0.1891



16.6182, 0.3152, 0.2922



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.



47.3302, 0.3204, 0.2219



41.0425, 0.3220, 0.2029



44.2905, 0.3734, 0.2723



18.2917, 0.3142, 0.3062



14.6643, 0.3276, 0.1578



1.4303, 0.3268, 0.1574

Inverse Universe

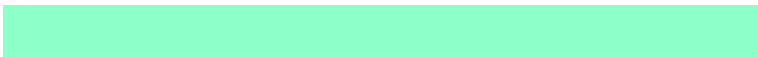
The Inverse Universe completely reimagines the original color for something new.



47.3302, 0.3204, 0.2219



41.0425, 0.3220, 0.2029



81.3449, 0.2778, 0.3953



18.2917, 0.3142, 0.3062



14.6643, 0.3276, 0.1578



1.4303, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 47.3380, 0.3204, 0.2219 looks on a white background.

Color Contrast Check

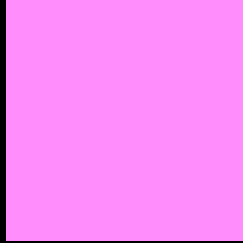
Large Text (above 18pt) WCAG AA × Fail

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 47.3380, 0.3204, 0.2219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

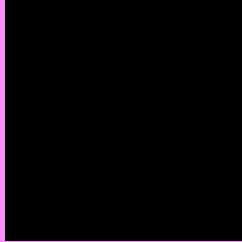
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.3380, 0.3204, 0.2219

Background



This preview shows how black text looks on a background with the Yxy color 47.3380, 0.3204, 0.2219.



This preview shows how white text looks on a background with the Yxy color 47.3380, 0.3204, 0.2219.

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

47.3380, 0.3204, 0.2219

Protanopia

47.7413, 0.2478, 0.2411

Deuteranopia

47.8558, 0.2578, 0.2521



Tritanopia

47.1490, 0.3849, 0.3161

Trichromacy



Original Color

47.3380, 0.3204, 0.2219



Protanomaly

46.0303, 0.2703, 0.2303



Deuteranomaly

46.1919, 0.2773, 0.2366



Tritanomaly

46.7663, 0.3615, 0.2784

Monochromacy



Original Color

47.3380, 0.3204, 0.2219



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

47.8260, 0.3158, 0.2824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3380, 0.3204, 0.2219 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, 141, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 252)  
}
```

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, 141, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 252) }
```

Border

The CSS property to change the border of an element to Yxy 47.3380, 0.3204, 0.2219 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, 141, 252) }
```

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

```
.border{ border-color:rgb(255, 141, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3380, 0.3204, 0.2219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 252) }
```

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

```
.background{ background-color: rgb(255,  
141, 252) }
```

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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