

Converting Colors

$Y_{xy}(72.4226, 0.3874, 0.2575)$

Have a look what the booklet for
Yxy(72.4226, 0.3874, 0.2575)
contains.

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Color

Yxy(52.6788, 0.3203, 0.2381)

Conversions

Conversions Part 1

Format	Color
Hex	FF9EFB
RGB	255, 158, 251
RGB Percent	100%, 62%, 98%
CMY	0.0002, 0.3803, 0.0157
CMYK	0.00, 0.38, 0.02, 0.00
HSL	302°, 100%, 81%
HSV	302°, 38%, 100%
XYZ	70.8653, 52.6788, 97.7025
YIQ	197.6050, 27.9590, 49.4870

Conversions

Conversions Part 2

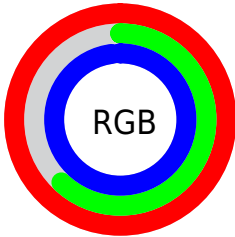
Format	Color
R _Y B	255, 158, 251
Decimal	16752379
CIE Lab	77.68, 49.57, -31.38
CIE LCh	78, 58.669, 327.665
Yxy	52.6788, 0.3203, 0.2381
Android (android.graphics.Color)	4294942459 (0xFFFF9EFB)
YUV	197.6050, 26.3237, 50.3354
Hunter-Lab	72.5802, 47.2672, -29.0060

Details

The Yxy color **52.6788, 0.3203, 0.2381** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.3674, 0.3053, 0.4407**, and the grayscale version is **56.0474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **25.6660, 0.3213, 0.2186** is the 20% darker color. If you saturate the color by 10%, you get **44.7996, 0.3225, 0.2163**, and if you desaturate by 10%, it is **62.3671, 0.3182, 0.2616**.

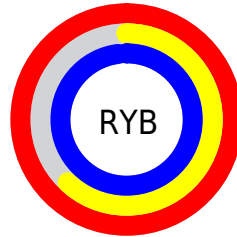
Distribution



Red (100%)

Green (62%)

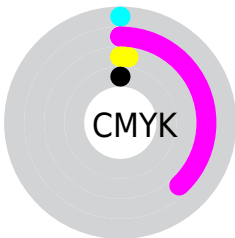
Blue (98%)



Red (100%)

Yellow (62%)

Blue (98%)

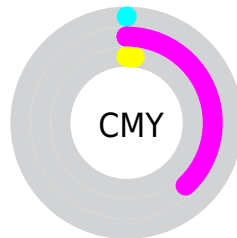


Cyan (0%)

Magenta (38%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.6788, 0.3203, 0.2381 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 52.6788, 0.3203, 0.2381 by changing the saturation by 10% instead.


 52.6788, 0.3203,
0.2381

 52.6788, 0.3203,
0.2381

397.0516, 0.3180,
0.2789

 37.5464, 0.3205,
0.2292


 94.1316, 0.3197,
0.2519

 25.6308, 0.3207,
0.2183


 121.2207, 0.3195,
0.2574

 16.5477, 0.3206,
0.2050


153.0643, 0.3192,
0.2622

 9.9125, 0.3201,
0.1881

190.0466, 0.3189,
0.2663

 5.3410, 0.3187,
0.1663

232.5521, 0.3187,
0.2700

 2.4487, 0.3154,
0.1375

280.9652, 0.3184,

 0.8508, 0.3074,

0.2733

0.0986

335.6702, 0.3182,
0.2762

0.0000, 0.3008,
0.0000

0.0000, 0.0000,
0.0000

52.6788, 0.3203,
0.2381

52.6788, 0.3203,
0.2381

44.7996, 0.3225,
0.2163

62.3671, 0.3182,
0.2616

38.6102, 0.3246,
0.1971

73.9601, 0.3161,
0.2859

33.9878, 0.3266,
0.1816

87.5553, 0.3142,
0.3101

30.7903, 0.3284,
0.1702

99.9902, 0.3127,
0.3290

■ 28.8499, 0.3300,
0.1633

■ 27.9392, 0.3313,
0.1604

■ 27.8167, 0.3316,
0.1600

Harmonies

Analogous

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



52.6788, 0.2476, 0.2141



52.6788, 0.3203, 0.2381



52.6788, 0.4004, 0.2805

Triad

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



52.6788, 0.3203, 0.2381



52.6788, 0.4302, 0.4446



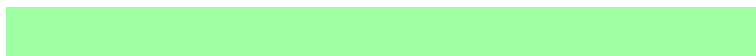
52.6788, 0.1868, 0.2970

Complementary

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



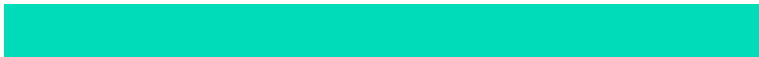
52.6788, 0.3203, 0.2381



81.3674, 0.3053, 0.4407

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.



52.6788, 0.2253, 0.3795



52.6788, 0.3203, 0.2381



52.6788, 0.3652, 0.4738

Square

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



52.6788, 0.3203, 0.2381



52.6788, 0.4661, 0.3918



52.6788, 0.2902, 0.4522



52.6788, 0.1786, 0.2395

Rectangle

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



52.6788, 0.3203, 0.2381



52.6788, 0.4425, 0.3155



52.6788, 0.2902, 0.4522



52.6788, 0.1962, 0.3228

Sweetspot

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



52.6811, 0.3203, 0.2381



83.3175, 0.3147, 0.3029



39.2870, 0.2446, 0.2134



17.4308, 0.3150, 0.2996



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.



52.6811, 0.3203, 0.2381



46.2673, 0.3220, 0.2205



50.0401, 0.3626, 0.2823



18.2869, 0.3144, 0.3065



14.5472, 0.3314, 0.1599



1.4202, 0.3301, 0.1592

Inverse Universe

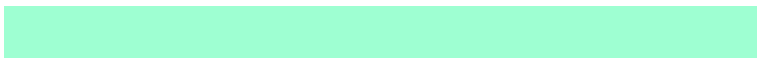
The Inverse Universe completely reimagines the original color for something new.



52.6811, 0.3203, 0.2381



46.2673, 0.3220, 0.2205



83.3988, 0.2812, 0.3817



18.2869, 0.3144, 0.3065



14.5472, 0.3314, 0.1599



1.4202, 0.3301, 0.1592

Previews

White Background



This preview shows how the Yxy color 52.6788, 0.3203, 0.2381 looks on a white background.

Color Contrast Check

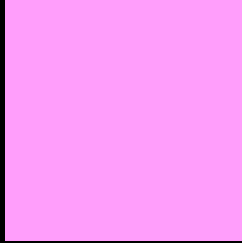
Large Text (above 18pt) WCAG AA × Fail

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 52.6788, 0.3203, 0.2381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

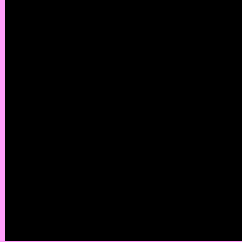
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.6788, 0.3203, 0.2381

Background



This preview shows how black text looks on a background with the Yxy color 52.6788, 0.3203, 0.2381.



This preview shows how white text looks on a background with the Yxy color 52.6788, 0.3203, 0.2381.

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

52.6788, 0.3203, 0.2381

Protanopia

52.9311, 0.2574, 0.2537

Deuteranopia

53.0550, 0.2696, 0.2639



Tritanopia

52.6007, 0.3685, 0.3151

Trichromacy



Original Color

52.6788, 0.3203, 0.2381



Protanomaly

51.6931, 0.2772, 0.2452



Deuteranomaly

52.1115, 0.2863, 0.2529



Tritanomaly

52.3806, 0.3503, 0.2850

Monochromacy



Original Color

52.6788, 0.3203, 0.2381



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

53.9368, 0.3162, 0.2907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6788, 0.3203, 0.2381 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, 158, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 251)  
}
```

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, 158, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 251) }
```

Border

The CSS property to change the border of an element to Yxy 52.6788, 0.3203, 0.2381 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, 158, 251) }
```

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

```
.border{ border-color:rgb(255, 158, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6788, 0.3203, 0.2381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 251) }
```

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

```
.background{ background-color: rgb(255,  
158, 251) }
```

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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