

Converting Colors

$Y_{xy}(52.2727, 0.3296, 0.2486)$

Have a look what the booklet for
Yxy(52.2727, 0.3296, 0.2486)
contains.

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Color

Yxy(52.3475, 0.3294, 0.2486)

Conversions

Conversions Part 1

Format	Color
Hex	FF9FF0
RGB	255, 159, 240
RGB Percent	100%, 62%, 94%
CMY	0.0000, 0.3764, 0.0590
CMYK	0.00, 0.38, 0.06, 0.00
HSL	309°, 100%, 81%
HSV	309°, 38%, 100%
XYZ	69.3615, 52.3475, 88.8602
YIQ	196.9380, 31.2150, 45.5430

Conversions

Conversions Part 2

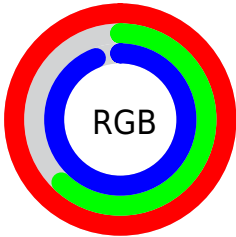
Format	Color
R _Y B	255, 159, 240
Decimal	16752624
CIE Lab	77.49, 47.19, -25.71
CIE LCh	77, 53.742, 331.413
Yxy	52.3475, 0.3294, 0.2486
Android (android.graphics.Color)	4294942704 (0xFFFF9FF0)
YUV	196.9380, 21.2296, 50.9204
Hunter-Lab	72.3516, 44.5079, -22.1722

Details

The Yxy color **52.3475, 0.3294, 0.2486** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.9490, 0.2998, 0.4257**, and the grayscale version is **55.6524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0809, 0.3145, 0.2900**, and **25.4342, 0.3324, 0.2302** is the 20% darker color. If you saturate the color by 10%, you get **44.2303, 0.3350, 0.2286**, and if you desaturate by 10%, it is **62.2835, 0.3242, 0.2699**.

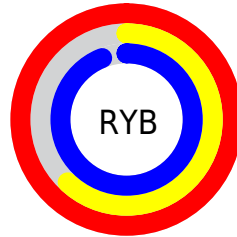
Distribution



Red (100%)

Green (62%)

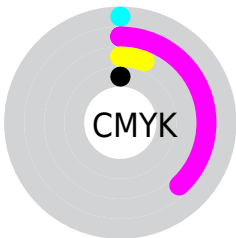
Blue (94%)



Red (100%)

Yellow (62%)

Blue (94%)

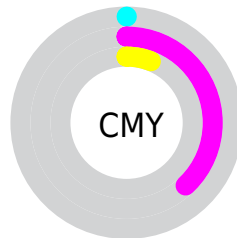


Cyan (0%)

Magenta (38%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3475, 0.3294, 0.2486 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 52.3475, 0.3294, 0.2486 by changing the saturation by 10% instead.


 52.3475, 0.3294,
0.2486

 52.3475, 0.3294,
0.2486

395.7767, 0.3224,
0.2851

 37.2821, 0.3308,
0.2405


 93.6435, 0.3271,
0.2611

 25.4260, 0.3324,
0.2306


 120.6430, 0.3262,
0.2660

 16.3947, 0.3343,
0.2182


152.3892, 0.3254,
0.2703

 9.8039, 0.3365,
0.2025

189.2667, 0.3247,
0.2740

 5.2691, 0.3389,
0.1818

231.6598, 0.3240,
0.2773

 2.4060, 0.3412,
0.1536

279.9529, 0.3234,

 0.8290, 0.3422,

0.2802

0.1141

334.5304, 0.3229,
0.2828

0.0000, 0.3573,
0.0000

0.0000, 0.0000,
0.0000

52.3475, 0.3294,
0.2486

52.3475, 0.3294,
0.2486

44.2303, 0.3350,
0.2286

62.2835, 0.3242,
0.2699

37.8128, 0.3410,
0.2108

74.1337, 0.3196,
0.2917

32.9728, 0.3471,
0.1963

87.9953, 0.3155,
0.3131

29.5688, 0.3532,
0.1860

99.9997, 0.3127,
0.3290

■ 27.4341, 0.3591,
0.1802

■ 26.3485, 0.3646,
0.1789

■ 26.1694, 0.3659,
0.1789

Harmonies

Analogous

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



52.3475, 0.2601, 0.2237



52.3475, 0.3294, 0.2486



52.3475, 0.4015, 0.2902

Triad

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



52.3475, 0.3294, 0.2486



52.3475, 0.4157, 0.4417



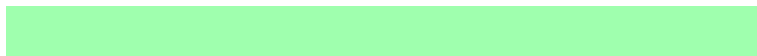
52.3475, 0.1933, 0.2922

Complementary

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



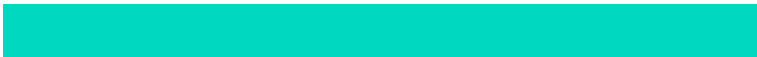
52.3475, 0.3294, 0.2486



81.9490, 0.2998, 0.4257

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.



52.3475, 0.2263, 0.3657



52.3475, 0.3294, 0.2486



52.3475, 0.3538, 0.4620

Square

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



52.3475, 0.3294, 0.2486



52.3475, 0.4524, 0.3953



52.3475, 0.2843, 0.4347



52.3475, 0.1887, 0.2420

Rectangle

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



52.3475, 0.3294, 0.2486



52.3475, 0.4373, 0.3238



52.3475, 0.2843, 0.4347



52.3475, 0.2011, 0.3149

Sweetspot

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



52.3499, 0.3294, 0.2486



83.1111, 0.3168, 0.3060



40.9519, 0.2532, 0.2170



17.3813, 0.3174, 0.3031



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.



52.3499, 0.3294, 0.2486



46.2055, 0.3335, 0.2337



49.8933, 0.3727, 0.2941



18.2486, 0.3162, 0.3092



13.6926, 0.3650, 0.1785



1.3458, 0.3592, 0.1752

Inverse Universe

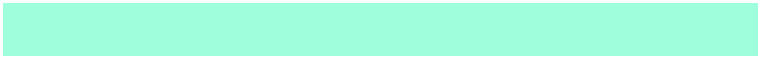
The Inverse Universe completely reimagines the original color for something new.



52.3499, 0.3294, 0.2486



46.2055, 0.3335, 0.2337



84.1333, 0.2760, 0.3676



18.2486, 0.3162, 0.3092



13.6926, 0.3650, 0.1785



1.3458, 0.3592, 0.1752

Previews

White Background



This preview shows how the Yxy color 52.3475, 0.3294, 0.2486 looks on a white background.

Color Contrast Check

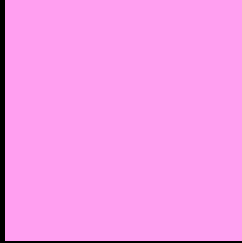
Large Text (above 18pt) WCAG AA × Fail

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 52.3475, 0.3294, 0.2486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

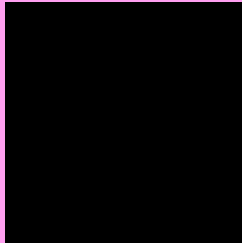
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.3475, 0.3294, 0.2486

Background



This preview shows how black text looks on a background with the Yxy color 52.3475, 0.3294, 0.2486.



This preview shows how white text looks on a background with the Yxy color 52.3475, 0.3294, 0.2486.

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

52.3475, 0.3294, 0.2486

Protanopia

52.9311, 0.2574, 0.2537

Deuteranopia

52.7834, 0.2801, 0.2739



Tritanopia

52.1248, 0.3727, 0.3152

Trichromacy



Original Color

52.3475, 0.3294, 0.2486



Protanomaly

51.8388, 0.2799, 0.2501



Deuteranomaly

51.7048, 0.2964, 0.2622



Tritanomaly

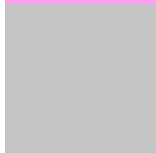
52.1413, 0.3568, 0.2893

Monochromacy



Original Color

52.3475, 0.3294, 0.2486



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

53.5765, 0.3185, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3475, 0.3294, 0.2486 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, 159, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 240)  
}
```

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, 159, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 240) }
```

Border

The CSS property to change the border of an element to Yxy 52.3475, 0.3294, 0.2486 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, 159, 240) }
```

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

```
.border{ border-color:rgb(255, 159, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 159, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 159, 240); box-shadow:4px 4px 4px 4px rgb(255, 159, 240) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3475, 0.3294, 0.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 240) }
```

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

```
.background{ background-color: rgb(255,  
159, 240) }
```

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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