

Converting Colors

Yxy(51.1420, 0.3168, 0.2491)

Have a look what the booklet for
Yxy(51.1420, 0.3168, 0.2491)
contains.

Yxy(51.1864, 0.3173, 0.2495)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.1864, 0.3173, 0.2495)

Conversions

Conversions Part 1

Format	Color
Hex	F1A3F0
RGB	241, 163, 240
RGB Percent	95%, 64%, 94%
CMY	0.0549, 0.3607, 0.0589
CMYK	0.00, 0.32, 0.00, 0.05
HSL	301°, 74%, 79%
HSV	301°, 32%, 95%
XYZ	65.0960, 51.1864, 88.8735
YIQ	195.1000, 21.7710, 40.4830

Conversions

Conversions Part 2

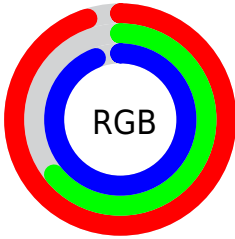
Format	Color
R _Y B	241, 163, 240
Decimal	15836144
CIE Lab	76.79, 40.77, -26.92
CIE LCh	77, 48.857, 326.558
Yxy	51.1864, 0.3173, 0.2495
Android (android.graphics.Color)	4294026224 (0xFFFF1A3F0)
YUV	195.1000, 22.1357, 40.2543
Hunter-Lab	71.5447, 37.2077, -23.5694

Details

The Yxy color **51.1864, 0.3173, 0.2495** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **73.3737, 0.3077, 0.4238**, and the grayscale version is **54.4932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1430, 0.3144, 0.2940**, and **24.8029, 0.3173, 0.2315** is the 20% darker color. If you saturate the color by 10%, you get **43.4115, 0.3187, 0.2262**, and if you desaturate by 10%, it is **60.5964, 0.3158, 0.2740**.

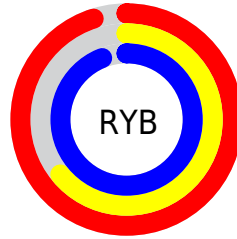
Distribution



Red (95%)

Green (64%)

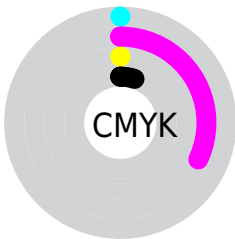
Blue (94%)



Red (95%)

Yellow (64%)

Blue (94%)

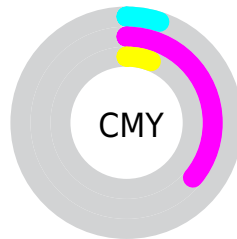


Cyan (0%)

Magenta (32%)

Yellow (0%)

Black (5%)



Cyan (5%)


Magenta (36%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1864, 0.3173, 0.2495 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 51.1864, 0.3173, 0.2495 by changing the saturation by 10% instead.


 51.1864, 0.3173,
0.2495


 51.1864, 0.3173,
0.2495


391.2876, 0.3161,
0.2859

 36.3570, 0.3173,
0.2414


 91.9302, 0.3171,
0.2620

 24.7100, 0.3173,
0.2314


 118.6135, 0.3169,
0.2669

 15.8611, 0.3170,
0.2189


150.0167, 0.3168,
0.2711

 9.4259, 0.3163,
0.2029


186.5244, 0.3166,
0.2748

 5.0200, 0.3146,
0.1818

228.5210, 0.3165,
0.2781

 2.2590, 0.3110,
0.1530

276.3907, 0.3164,

 0.7519, 0.3027,

0.2810

0.1114

330.5181, 0.3162,
0.2835

0.0000, 0.2914,
0.0000

0.0000, 0.0000,
0.0000

51.1864, 0.3173,
0.2495

51.1864, 0.3173,
0.2495

43.4115, 0.3187,
0.2262

60.5964, 0.3158,
0.2740

37.1719, 0.3201,
0.2051

71.7203, 0.3144,
0.2989

32.3679, 0.3213,
0.1871


84.6398, 0.3130,
0.3234


28.8846, 0.3224,
0.1731


96.5835, 0.3119,
0.3426


 26.5902, 0.3232,
0.1633


 96.6021, 0.3118,
0.3423

 25.3253, 0.3238,
0.1579

 96.6208, 0.3116,
0.3420

 24.8650, 0.3242,
0.1560

 96.6395, 0.3114,
0.3416

 96.6582, 0.3112,
0.3413

 96.6770, 0.3110,
0.3410

Harmonies

Analogous

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



51.1864, 0.2556, 0.2293



51.1864, 0.3173, 0.2495



51.1864, 0.3844, 0.2864

Triad

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



51.1864, 0.3173, 0.2495



51.1864, 0.4157, 0.4278



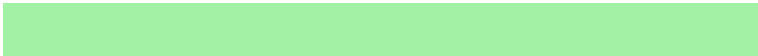
51.1864, 0.2054, 0.3058

Complementary

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



51.1864, 0.3173, 0.2495



73.3737, 0.3077, 0.4238

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.



51.1864, 0.2407, 0.3740



51.1864, 0.3173, 0.2495



51.1864, 0.3616, 0.4502

Square

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



51.1864, 0.3173, 0.2495



51.1864, 0.4434, 0.3837



51.1864, 0.2974, 0.4320



51.1864, 0.1966, 0.2549

Rectangle

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



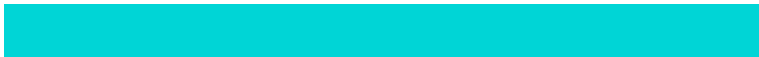
51.1864, 0.3173, 0.2495



51.1864, 0.4201, 0.3171



51.1864, 0.2974, 0.4320



51.1864, 0.2143, 0.3276

Sweetspot

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



51.1887, 0.3173, 0.2495



84.7745, 0.3141, 0.3047



40.3376, 0.2547, 0.2330



17.7232, 0.3143, 0.3012



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.



51.1887, 0.3173, 0.2495



52.0238, 0.3183, 0.2335



49.1627, 0.3503, 0.2868



16.0277, 0.3140, 0.3060



13.4867, 0.3242, 0.1559



1.1231, 0.3237, 0.1557

Inverse Universe

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



51.1887, 0.3173, 0.2495



52.0238, 0.3183, 0.2335



74.9570, 0.2868, 0.3757



16.0277, 0.3140, 0.3060



13.4867, 0.3242, 0.1559



1.1231, 0.3237, 0.1557

Previews

White Background



This preview shows how the Yxy color 51.1864, 0.3173, 0.2495 looks on a white background.

Color Contrast Check

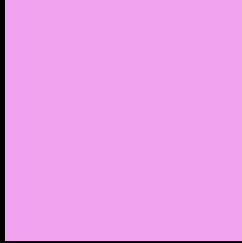
Large Text (above 18pt) WCAG AA × Fail

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 51.1864, 0.3173, 0.2495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

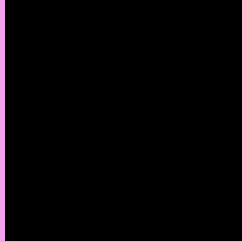
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.1864, 0.3173, 0.2495

Background



This preview shows how black text looks on a background with the Yxy color 51.1864, 0.3173, 0.2495.

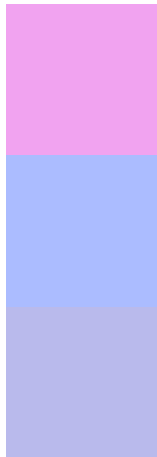


This preview shows how white text looks on a background with the Yxy color 51.1864, 0.3173, 0.2495.

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

51.1864, 0.3173, 0.2495

Protanopia

51.8444, 0.2558, 0.2511

Deuteranopia

51.4882, 0.2764, 0.2700



Tritanopia

51.3524, 0.3555, 0.3146

Trichromacy



Original Color

51.1864, 0.3173, 0.2495



Protanomaly

50.8781, 0.2748, 0.2490



Deuteranomaly

50.9343, 0.2902, 0.2621



Tritanomaly

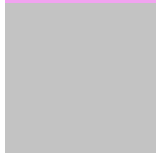
51.2102, 0.3420, 0.2897

Monochromacy



Original Color

51.1864, 0.3173, 0.2495



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.5672, 0.3151, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1864, 0.3173, 0.2495 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(241, 163, 240)` looks like.

```
.text, #text, p{  
    color:rgb(241, 163, 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(241, 163, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 163, 240) }
```

Border

The CSS property to change the border of an element to Yxy 51.1864, 0.3173, 0.2495 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(241, 163, 240) }
```

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

```
.border{ border-color:rgb(241, 163, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 163, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(241, 163, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(241, 163, 240); box-shadow:4px 4px 4px 4px rgb(241, 163, 240) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1864, 0.3173, 0.2495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 163, 240) }
```

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

```
.background{ background-color: rgb(241,  
163, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor