

Converting Colors

$Y_{xy}(43.8360, 0.3270, 0.2181)$

Have a look what the booklet for
Yxy(43.8360, 0.3270, 0.2181)
contains.

Yxy(43.8178, 0.3270, 0.2181)	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(43.8178, 0.3270, 0.2181)

Conversions

Conversions Part 1

Format	Color
Hex	FF82F5
RGB	255, 130, 245
RGB Percent	100%, 51%, 96%
CMY	0.0001, 0.4901, 0.0392
CMYK	0.00, 0.49, 0.04, 0.00
HSL	305°, 100%, 75%
HSV	305°, 49%, 100%
XYZ	65.6966, 43.8178, 91.3926
YIQ	180.4850, 37.5850, 62.2650

Conversions

Conversions Part 2

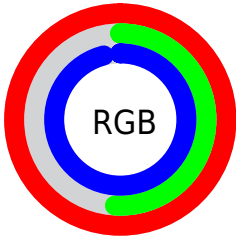
Format	Color
RYB	255, 130, 245
Decimal	16745205
CIELab	72.11, 62.31, -36.75
CIELCh	72, 72.345, 329.468
Yxy	43.8178, 0.3270, 0.2181
Android (android.graphics.Color)	4294935285 (0xFFFF82F5)
YUV	180.4850, 31.8059, 65.3497
Hunter-Lab	66.1950, 61.3146, -35.5226

Details

The Yxy color **43.8178, 0.3270, 0.2181** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.1402, 0.3010, 0.4733**, and the grayscale version is **45.7303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0206, 0.3158, 0.2624**, and **20.2642, 0.3290, 0.1944** is the 20% darker color. If you saturate the color by 10%, you get **37.7317, 0.3303, 0.1997**, and if you desaturate by 10%, it is **51.5895, 0.3237, 0.2391**.

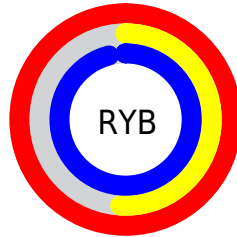
Distribution



Red (100%)

Green (51%)

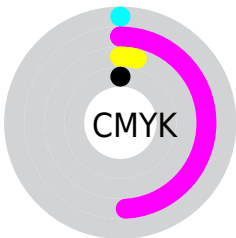
Blue (96%)



Red (100%)

Yellow (51%)

Blue (96%)

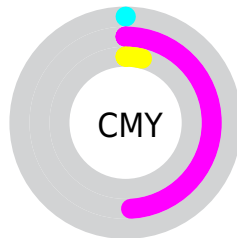


Cyan (0%)

Magenta (49%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (49%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.8178, 0.3270, 0.2181 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 43.8178, 0.3270, 0.2181 by changing the saturation by 10% instead.

 43.8178, 0.3270,
0.2181

 43.8178, 0.3270,
0.2181


361.9643, 0.3221,
0.2681


 30.5273, 0.3277,
0.2071


 80.9435, 0.3256,
0.2351

 20.2392, 0.3283,
0.1939


 105.5475, 0.3250,
0.2418

 12.5690, 0.3287,
0.1776


 134.6914, 0.3244,
0.2477

 7.1324, 0.3286,
0.1572

168.7597, 0.3239,
0.2528

 3.5451, 0.3272,
0.1312

208.1368, 0.3234,
0.2573

 1.4225, 0.3230,
0.0978

253.2069, 0.3229,

 0.2332, 0.3181,

0.2613

0.0353

304.3546, 0.3225,
0.2649

■ 0.0000, 0.2799,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.8178, 0.3270,
0.2181

■ 43.8178, 0.3270,
0.2181

■ 37.7317, 0.3303,
0.1997

■ 51.5895, 0.3237,
0.2391

■ 33.1987, 0.3336,
0.1849

■ 61.1543, 0.3205,
0.2618

■ 30.0766, 0.3367,
0.1743

■ 72.6178, 0.3176,
0.2852

■ 28.1943, 0.3396,
0.1682

■ 86.0757, 0.3149,
0.3086

■ 27.2991, 0.3422,
0.1661

99.9939, 0.3127,
0.3290

■ 27.2322, 0.3424,
0.1660

Harmonies

Analogous

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



43.8178, 0.2335, 0.1878



43.8178, 0.3270, 0.2181



43.8178, 0.4326, 0.2698

Triad

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



43.8178, 0.3270, 0.2181



43.8178, 0.4524, 0.4735



43.8178, 0.1533, 0.2778

Complementary

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



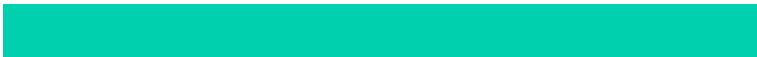
43.8178, 0.3270, 0.2181



78.1402, 0.3010, 0.4733

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.



43.8178, 0.1955, 0.3878



43.8178, 0.3270, 0.2181



43.8178, 0.3674, 0.5192

Square

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



43.8178, 0.3270, 0.2181



43.8178, 0.5062, 0.4037



43.8178, 0.2736, 0.4927



43.8178, 0.1473, 0.2104

Rectangle

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



43.8178, 0.3270, 0.2181



43.8178, 0.4863, 0.3117



43.8178, 0.2736, 0.4927



43.8178, 0.1630, 0.3107

Sweetspot

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



43.8198, 0.3270, 0.2181



77.7822, 0.3165, 0.2946



28.6241, 0.2239, 0.1752



16.0601, 0.3171, 0.2897



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.



43.8198, 0.3270, 0.2181



37.7437, 0.3303, 0.1997



40.6941, 0.3889, 0.2734



18.2739, 0.3150, 0.3074



14.2440, 0.3421, 0.1658



1.3940, 0.3394, 0.1643

Inverse Universe

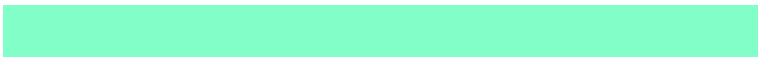
The Inverse Universe completely reimagines the original color for something new.



43.8198, 0.3270, 0.2181



37.7437, 0.3303, 0.1997



80.4563, 0.2724, 0.3950



18.2739, 0.3150, 0.3074



14.2440, 0.3421, 0.1658



1.3940, 0.3394, 0.1643

Previews

White Background



This preview shows how the Yxy color 43.8178, 0.3270, 0.2181 looks on a white background.

Color Contrast Check

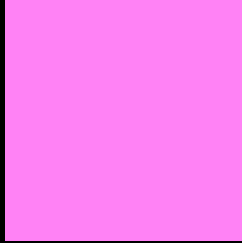
Large Text (above 18pt) WCAG AA × Fail

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 43.8178, 0.3270, 0.2181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

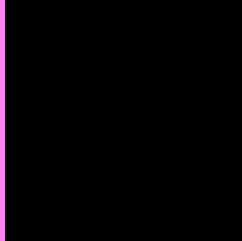
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.8178, 0.3270, 0.2181

Background



This preview shows how black text looks on a background with the Yxy color 43.8178, 0.3270, 0.2181.

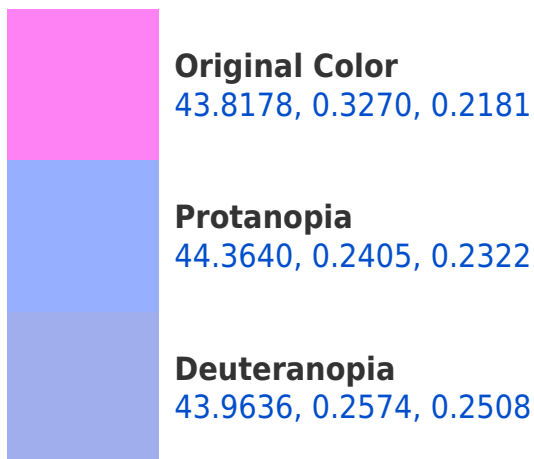


This preview shows how white text looks on a background with the Yxy color 43.8178, 0.3270, 0.2181.

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





Tritanopia

43.7984, 0.3983, 0.3172

Trichromacy



Original Color

43.8178, 0.3270, 0.2181



Protanomaly

42.4527, 0.2663, 0.2237



Deuteranomaly

42.3471, 0.2792, 0.2343



Tritanomaly

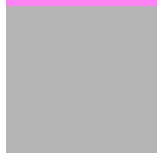
43.5904, 0.3715, 0.2773

Monochromacy



Original Color

43.8178, 0.3270, 0.2181



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

43.4657, 0.3178, 0.2788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8178, 0.3270, 0.2181 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, 130, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 245)  
}
```

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, 130, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 245) }
```

Border

The CSS property to change the border of an element to Yxy 43.8178, 0.3270, 0.2181 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, 130, 245) }
```

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

```
.border{ border-color:rgb(255, 130, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8178, 0.3270, 0.2181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 245) }
```

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

```
.background{ background-color: rgb(255,  
130, 245) }
```

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