

Converting Colors

$Y_{xy}(71.5958, 0.4315, 0.2570)$

Have a look what the booklet for
Yxy(71.5958, 0.4315, 0.2570)
contains.

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Color

Yxy(42.7545, 0.3355, 0.2237)

Conversions

Conversions Part 1

Format	Color
Hex	FF80EC
RGB	255, 128, 236
RGB Percent	100%, 50%, 93%
CMY	0.0000, 0.4982, 0.0744
CMYK	0.00, 0.50, 0.07, 0.00
HSL	309°, 100%, 75%
HSV	309°, 50%, 100%
XYZ	64.1222, 42.7545, 84.2476
YIQ	178.2850, 41.0240, 60.5120

Conversions

Conversions Part 2

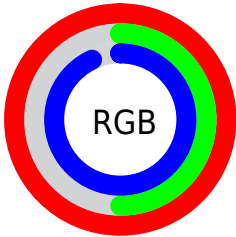
Format	Color
R_{YB}	255, 128, 236
Decimal	16744684
CIE _{Lab}	71.39, 61.85, -32.94
CIE _{LCh}	71, 70.076, 331.961
Y _{xy}	42.7545, 0.3355, 0.2237
Android (android.graphics.Color)	4294934764 (0xFFFF80EC)
YUV	178.2850, 28.4535, 67.2791
Hunter-Lab	65.3869, 60.6203, -30.6212

Details

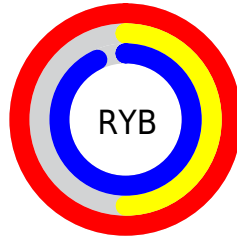
The Yxy color $42.7545, 0.3355, 0.2237$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $78.2094, 0.2968, 0.4651$, and the grayscale version is $44.4935, 0.3127, 0.3290$.

A 20% lighter version of the original color is $63.1779, 0.3159, 0.2604$, and $19.6658, 0.3393, 0.2003$ is the 20% darker color. If you saturate the color by 10%, you get $36.6895, 0.3412, 0.2065$, and if you desaturate by 10%, it is $50.4708, 0.3300, 0.2434$.

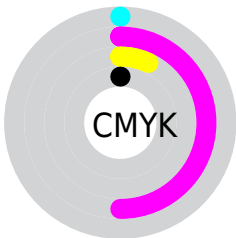
Distribution



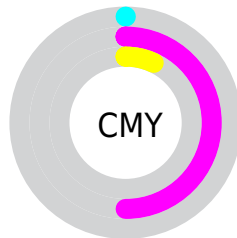
- Red (100%)
- Green (50%)
- Blue (93%)



- Red (100%)
- Yellow (50%)
- Blue (93%)



- Cyan (0%)
- Magenta (50%)
- Yellow (7%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7545, 0.3355, 0.2237 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 42.7545, 0.3355, 0.2237 by changing the saturation by 10% instead.


 42.7545, 0.3355,
0.2237

 42.7545, 0.3355,
0.2237


357.6012, 0.3261,
0.2717

 29.6925, 0.3373,
0.2130


 79.3403, 0.3325,
0.2401

 19.6053, 0.3393,
0.2001


 103.6328, 0.3313,
0.2466

 12.1085, 0.3416,
0.1840


 132.4378, 0.3302,
0.2522

 6.8176, 0.3440,
0.1637

166.1394, 0.3292,
0.2571

 3.3483, 0.3462,
0.1375

205.1222, 0.3283,
0.2614

 1.3162, 0.3471,
0.1032

249.7705, 0.3275,

 0.1537, 0.3545,

0.2652

0.0280

300.4687, 0.3268,
0.2687

■ 0.0000, 0.3176,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7545, 0.3355,
0.2237

■ 42.7545, 0.3355,
0.2237

■ 36.6895, 0.3412,
0.2065

■ 50.4708, 0.3300,
0.2434

■ 32.1846, 0.3470,
0.1927

■ 59.9893, 0.3249,
0.2647

■ 29.0814, 0.3528,
0.1833

■ 71.4023, 0.3203,
0.2866

■ 27.2058, 0.3583,
0.1784

■ 84.8062, 0.3162,
0.3083

■ 26.2785, 0.3635,
0.1777

100.0000, 0.3127,
0.3290

■ 26.2653, 0.3636,
0.1777

Harmonies

Analogous

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



42.7545, 0.2417, 0.1918



42.7545, 0.3355, 0.2237



42.7545, 0.4376, 0.2760

Triad

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



42.7545, 0.3355, 0.2237



42.7545, 0.4442, 0.4763



42.7545, 0.1545, 0.2721

Complementary

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



42.7545, 0.3355, 0.2237



78.2094, 0.2968, 0.4651

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.



42.7545, 0.1932, 0.3767



42.7545, 0.3355, 0.2237



42.7545, 0.3593, 0.5160

Square

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



42.7545, 0.3355, 0.2237



42.7545, 0.4998, 0.4089



42.7545, 0.2675, 0.4821



42.7545, 0.1512, 0.2093

Rectangle

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



42.7545, 0.3355, 0.2237



42.7545, 0.4870, 0.3179



42.7545, 0.2675, 0.4821



42.7545, 0.1632, 0.3030

Sweetspot

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



42.7424, 0.3354, 0.2237



77.6144, 0.3183, 0.2971



28.6545, 0.2278, 0.1745



16.0193, 0.3191, 0.2925



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.



42.7424, 0.3354, 0.2237



36.5974, 0.3413, 0.2062



39.7617, 0.4006, 0.2812



18.2510, 0.3161, 0.3090



13.7419, 0.3628, 0.1772



1.3501, 0.3572, 0.1742

Inverse Universe

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



42.7424, 0.3354, 0.2237



36.5974, 0.3413, 0.2062



80.6797, 0.2680, 0.3854



18.2510, 0.3161, 0.3090



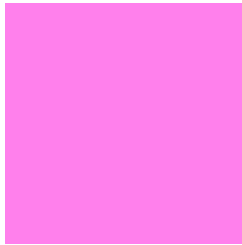
13.7419, 0.3628, 0.1772



1.3501, 0.3572, 0.1742

Previews

White Background



This preview shows how the Yxy color 42.7545, 0.3355, 0.2237 looks on a white background.

Color Contrast Check

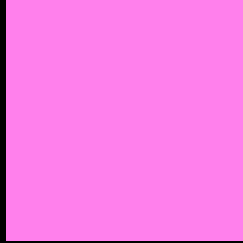
Large Text (above 18pt) WCAG AA × Fail

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 42.7545, 0.3355, 0.2237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

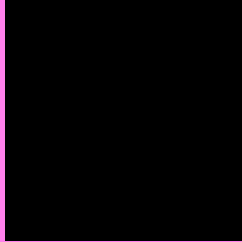
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7545, 0.3355, 0.2237

Background



This preview shows how black text looks on a background with the Yxy color 42.7545, 0.3355, 0.2237.



This preview shows how white text looks on a background with the Yxy color 42.7545, 0.3355, 0.2237.

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

42.7545, 0.3355, 0.2237

Protanopia

43.3102, 0.2383, 0.2292

Deuteranopia

42.8930, 0.2640, 0.2582



Tritanopia

42.5849, 0.4051, 0.3173

Trichromacy



Original Color

42.7545, 0.3355, 0.2237



Protanomaly

41.3304, 0.2665, 0.2237



Deuteranomaly

41.2822, 0.2864, 0.2409



Tritanomaly

42.1501, 0.3788, 0.2793

Monochromacy



Original Color

42.7545, 0.3355, 0.2237



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

42.3869, 0.3214, 0.2819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7545, 0.3355, 0.2237 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, 128, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 236)  
}
```

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, 128, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 236) }
```

Border

The CSS property to change the border of an element to Yxy 42.7545, 0.3355, 0.2237 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, 128, 236) }
```

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

```
.border{ border-color:rgb(255, 128, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7545, 0.3355, 0.2237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 236) }
```

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

```
.background{ background-color: rgb(255,  
128, 236) }
```

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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