

Converting Colors

$Y_{xy}(50.3860, 0.3702, 0.2370)$

Have a look what the booklet for
Yxy(50.3860, 0.3702, 0.2370)
contains.

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Color

Yxy(42.6389, 0.3373, 0.2254)

Conversions

Conversions Part 1

Format	Color
Hex	FF80EA
RGB	255, 128, 234
RGB Percent	100%, 50%, 92%
CMY	0.0001, 0.4980, 0.0823
CMYK	0.00, 0.50, 0.08, 0.00
HSL	310°, 100%, 75%
HSV	310°, 50%, 100%
XYZ	63.8070, 42.6389, 82.7240
YIQ	178.0570, 41.6660, 59.8900

Conversions

Conversions Part 2

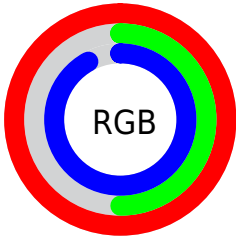
Format	Color
R _Y B	255, 128, 234
Decimal	16744682
CIE Lab	71.31, 61.47, -31.96
CIE LCh	71, 69.285, 332.527
Yxy	42.6389, 0.3373, 0.2254
Android (android.graphics.Color)	4294934762 (0xFFFF80EA)
YUV	178.0570, 27.5799, 67.4790
Hunter-Lab	65.2985, 60.1506, -29.4032

Details

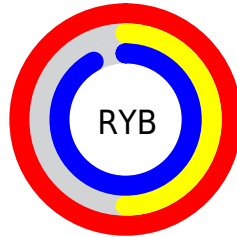
The Yxy color **42.6389, 0.3373, 0.2254** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.2671, 0.2959, 0.4625**, and the grayscale version is **44.3904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **19.5848, 0.3419, 0.2022** is the 20% darker color. If you saturate the color by 10%, you get **36.5640, 0.3436, 0.2084**, and if you desaturate by 10%, it is **50.3944, 0.3313, 0.2449**.

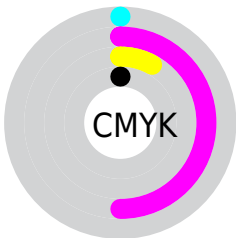
Distribution



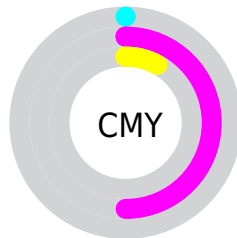
- Red (100%)
- Green (50%)
- Blue (92%)



- Red (100%)
- Yellow (50%)
- Blue (92%)



- Cyan (0%)
- Magenta (50%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6389, 0.3373, 0.2254 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 42.6389, 0.3373, 0.2254 by changing the saturation by 10% instead.

 42.6389, 0.3373,
0.2254


 42.6389, 0.3373,
0.2254


357.1246, 0.3270,
0.2728


 29.6019, 0.3393,
0.2148


 79.1657, 0.3340,
0.2416

 19.5366, 0.3417,
0.2020

 103.4242, 0.3326,
0.2480

 12.0587, 0.3444,
0.1860


 132.1921, 0.3314,
0.2535

 6.7836, 0.3474,
0.1658

165.8536, 0.3303,
0.2584

 3.3272, 0.3505,
0.1396

204.7932, 0.3293,
0.2626

 1.3048, 0.3527,
0.1052

249.3954, 0.3285,

 0.1449, 0.3633,

0.2664

300.0444, 0.3277,
0.2697

0.0275

0.0000, 0.3273,
0.0000

0.0000, 0.0000,
0.0000

42.6389, 0.3373,
0.2254

42.6389, 0.3373,
0.2254

36.5640, 0.3436,
0.2084

50.3944, 0.3313,
0.2449

32.0362, 0.3501,
0.1949

59.9391, 0.3258,
0.2659

28.9113, 0.3565,
0.1856

71.3793, 0.3208,
0.2874

27.0155, 0.3627,
0.1810

84.8113, 0.3165,
0.3088

■ 26.0705, 0.3685,
0.1804

99.9962, 0.3127,
0.3290

■ 26.0546, 0.3687,
0.1805

Harmonies

Analogous

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



42.6389, 0.2439, 0.1933



42.6389, 0.3373, 0.2254



42.6389, 0.4380, 0.2777

Triad

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



42.6389, 0.3373, 0.2254



42.6389, 0.4419, 0.4764



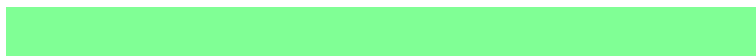
42.6389, 0.1554, 0.2712

Complementary

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



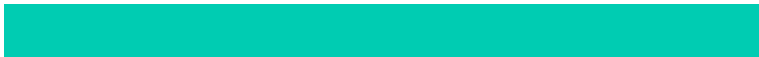
42.6389, 0.3373, 0.2254



78.2671, 0.2959, 0.4625

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.



42.6389, 0.1933, 0.3741



42.6389, 0.3373, 0.2254



42.6389, 0.3575, 0.5142

Square

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



42.6389, 0.3373, 0.2254



42.6389, 0.4976, 0.4100



42.6389, 0.2665, 0.4788



42.6389, 0.1527, 0.2096

Rectangle

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



42.6389, 0.3373, 0.2254



42.6389, 0.4863, 0.3194



42.6389, 0.2665, 0.4788



42.6389, 0.1639, 0.3016

Sweetspot

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



42.6409, 0.3373, 0.2254



77.5769, 0.3187, 0.2977



28.8704, 0.2294, 0.1751



16.0102, 0.3196, 0.2932



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.



42.6409, 0.3373, 0.2254



36.4614, 0.3438, 0.2081



39.6952, 0.4029, 0.2834



18.2458, 0.3163, 0.3094



13.6356, 0.3677, 0.1799



1.3408, 0.3615, 0.1765

Inverse Universe

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



42.6409, 0.3373, 0.2254



36.4614, 0.3438, 0.2081



80.7782, 0.2670, 0.3827



18.2458, 0.3163, 0.3094



13.6356, 0.3677, 0.1799



1.3408, 0.3615, 0.1765

Previews

White Background



This preview shows how the Yxy color 42.6389, 0.3373, 0.2254 looks on a white background.

Color Contrast Check

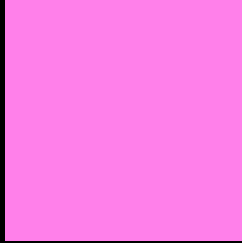
Large Text (above 18pt) WCAG AA × Fail

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 42.6389, 0.3373, 0.2254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

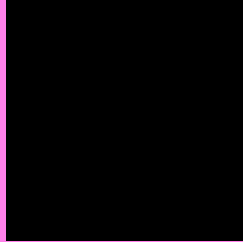
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6389, 0.3373, 0.2254

Background



This preview shows how black text looks on a background with the Yxy color 42.6389, 0.3373, 0.2254.

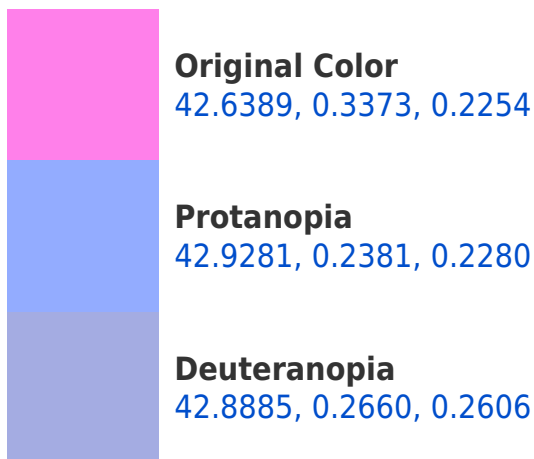


This preview shows how white text looks on a background with the Yxy color 42.6389, 0.3373, 0.2254.

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

42.5849, 0.4051, 0.3173

Trichromacy



Original Color

42.6389, 0.3373, 0.2254



Protanomaly

40.9314, 0.2671, 0.2235



Deuteranomaly

41.3044, 0.2888, 0.2431



Tritanomaly

42.1078, 0.3799, 0.2804

Monochromacy



Original Color

42.6389, 0.3373, 0.2254



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

42.3406, 0.3223, 0.2830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6389, 0.3373, 0.2254 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 234) }
```

Border

The CSS property to change the border of an element to Yxy 42.6389, 0.3373, 0.2254 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, 234) }
```

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

```
.border{ border-color:rgb(255, 128, 234) }
```

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, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6389, 0.3373, 0.2254 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, 234) }
```

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

```
.background{ background-color: rgb(255,  
128, 234) }
```

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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