

Converting Colors

$Y_{xy}(73.9844, 0.4472, 0.2779)$

Have a look what the booklet for
Yxy(73.9844, 0.4472, 0.2779)
contains.

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Color

Yxy(45.2676, 0.3532, 0.2532)

Conversions

Conversions Part 1

Format	Color
Hex	FF8DD8
RGB	255, 141, 216
RGB Percent	100%, 55%, 85%
CMY	0.0002, 0.4469, 0.1530
CMYK	0.00, 0.45, 0.15, 0.00
HSL	321°, 100%, 78%
HSV	321°, 45%, 100%
XYZ	63.1458, 45.2676, 70.3686
YIQ	183.6360, 43.8690, 47.4930

Conversions

Conversions Part 2

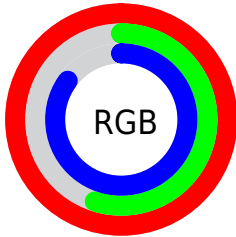
Format	Color
R_{YB}	255, 141, 216
Decimal	16747992
CIE _{Lab}	73.07, 52.37, -19.35
CIE _{LCh}	73, 55.835, 339.722
Yxy	45.2676, 0.3532, 0.2532
Android (android.graphics.Color)	4294938072 (0xFFFF8DD8)
YUV	183.6360, 15.9555, 62.5862
Hunter-Lab	67.2812, 49.7865, -14.9139

Details

The Yxy color $45.2676, 0.3532, 0.2532$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $80.4522, 0.2875, 0.4207$, and the grayscale version is $47.6176, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.4125, 0.3154, 0.2722$, and $21.1254, 0.3631, 0.2352$ is the 20% darker color. If you saturate the color by 10%, you get $38.1552, 0.3662, 0.2380$, and if you desaturate by 10%, it is $54.1387, 0.3417, 0.2700$.

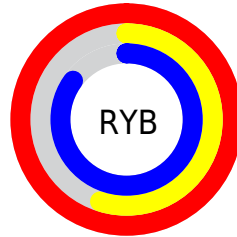
Distribution



Red (100%)

Green (55%)

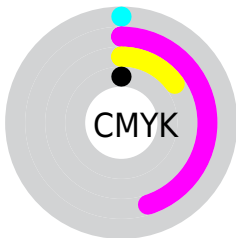
Blue (85%)



Red (100%)

Yellow (55%)

Blue (85%)

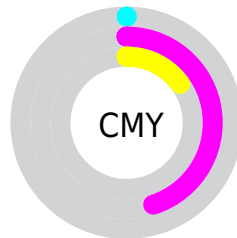


Cyan (0%)

Magenta (45%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2676, 0.3532, 0.2532 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 45.2676, 0.3532, 0.2532 by changing the saturation by 10% instead.


 45.2676, 0.3532,
0.2532

 45.2676, 0.3532,
0.2532


367.8563, 0.3341,
0.2887

 31.6683, 0.3576,
0.2450


 83.1218, 0.3465,
0.2656

 21.1082, 0.3631,
0.2350


 108.1455, 0.3439,
0.2704

 13.2031, 0.3701,
0.2222


137.7461, 0.3417,
0.2745

 7.5686, 0.3794,
0.2055

172.3079, 0.3398,
0.2781

 3.8202, 0.3919,
0.1830

212.2155, 0.3381,
0.2812

 1.5735, 0.4100,
0.1513

257.8532, 0.3366,

 0.3396, 0.4485,

0.2840

0.0822

309.6053, 0.3353,
0.2865

0.0000, 0.5149,
0.0000

0.0000, 0.0000,
0.0000

45.2676, 0.3532,
0.2532

45.2676, 0.3532,
0.2532

38.1552, 0.3662,
0.2380

54.1387, 0.3417,
0.2700

32.6743, 0.3803,
0.2254

64.8712, 0.3316,
0.2874

28.6910, 0.3953,
0.2166

77.5677, 0.3230,
0.3047

26.0468, 0.4106,
0.2126

92.3213, 0.3157,
0.3215

■ 24.5473, 0.4256,
0.2138

99.9913, 0.3127,
0.3290

■ 24.0692, 0.4334,
0.2161

Harmonies

Analogous

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



45.2676, 0.2744, 0.2211



45.2676, 0.3532, 0.2532



45.2676, 0.4278, 0.3011

Triad

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



45.2676, 0.3532, 0.2532



45.2676, 0.4066, 0.4609



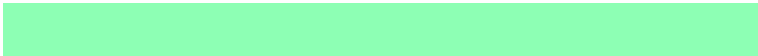
45.2676, 0.1798, 0.2700

Complementary

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



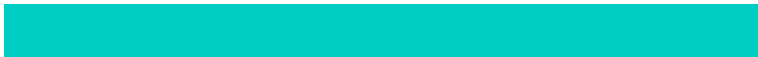
45.2676, 0.3532, 0.2532



80.4522, 0.2875, 0.4207

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.



45.2676, 0.2061, 0.3449



45.2676, 0.3532, 0.2532



45.2676, 0.3352, 0.4725

Square

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



45.2676, 0.3532, 0.2532



45.2676, 0.4565, 0.4144



45.2676, 0.2617, 0.4275



45.2676, 0.1833, 0.2252

Rectangle

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



45.2676, 0.3532, 0.2532



45.2676, 0.4591, 0.3381



45.2676, 0.2617, 0.4275



45.2676, 0.1851, 0.2920

Sweetspot

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



45.2697, 0.3532, 0.2532



79.9340, 0.3217, 0.3076



35.8630, 0.2549, 0.1980



16.4556, 0.3234, 0.3038



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.



45.2697, 0.3532, 0.2532



38.6019, 0.3652, 0.2389



42.8512, 0.4123, 0.3094



18.1886, 0.3191, 0.3135



12.6109, 0.4311, 0.2148



1.2484, 0.4152, 0.2061

Inverse Universe

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



45.2697, 0.3532, 0.2532



38.6019, 0.3652, 0.2389



83.2111, 0.2608, 0.3508



18.1886, 0.3191, 0.3135



12.6109, 0.4311, 0.2148



1.2484, 0.4152, 0.2061

Previews

White Background



This preview shows how the Yxy color 45.2676, 0.3532, 0.2532 looks on a white background.

Color Contrast Check

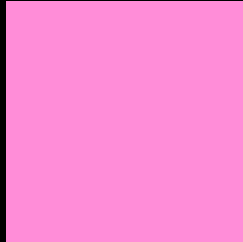
Large Text (above 18pt) WCAG AA × Fail

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 45.2676, 0.3532, 0.2532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

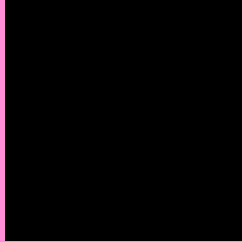
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2676, 0.3532, 0.2532

Background



This preview shows how black text looks on a background with the Yxy color 45.2676, 0.3532, 0.2532.

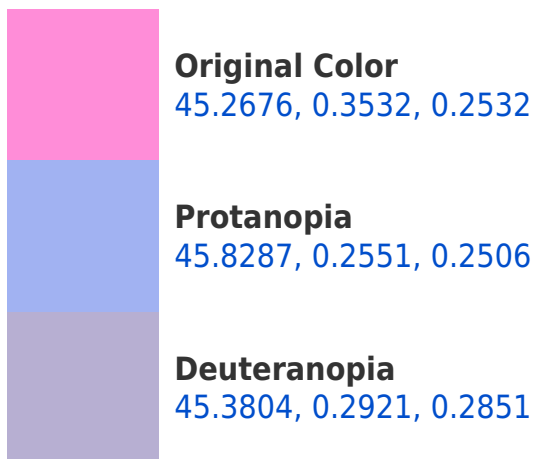


This preview shows how white text looks on a background with the Yxy color 45.2676, 0.3532, 0.2532.

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

45.2406, 0.3993, 0.3174

Trichromacy



Original Color

45.2676, 0.3532, 0.2532



Protanomaly

44.3956, 0.2846, 0.2493



Deuteranomaly

44.5032, 0.3127, 0.2714



Tritanomaly

45.0664, 0.3826, 0.2931

Monochromacy



Original Color

45.2676, 0.3532, 0.2532



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

45.6924, 0.3269, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2676, 0.3532, 0.2532 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, 141, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 216)  
}
```

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, 141, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 216) }
```

Border

The CSS property to change the border of an element to Yxy 45.2676, 0.3532, 0.2532 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, 141, 216) }
```

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

```
.border{ border-color:rgb(255, 141, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2676, 0.3532, 0.2532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 216) }
```

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

```
.background{ background-color: rgb(255,  
141, 216) }
```

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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