

Converting Colors

$Y_{xy}(45.3885, 0.3471, 0.2465)$

Have a look what the booklet for
Yxy(45.3885, 0.3471, 0.2465)
contains.

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Color

Yxy(45.2901, 0.3475, 0.2467)

Conversions

Conversions Part 1

Format	Color
Hex	FF8CDE
RGB	255, 140, 222
RGB Percent	100%, 55%, 87%
CMY	0.0001, 0.4509, 0.1293
CMYK	0.00, 0.45, 0.13, 0.00
HSL	317°, 100%, 77%
HSV	317°, 45%, 100%
XYZ	63.7953, 45.2901, 74.4983
YIQ	183.7330, 42.2180, 49.8820

Conversions

Conversions Part 2

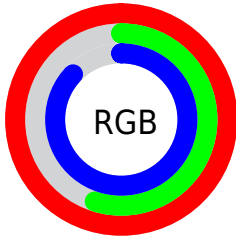
Format	Color
R _Y B	255, 140, 222
Decimal	16747742
CIE Lab	73.08, 53.80, -22.64
CIE LCh	73, 58.372, 337.174
Yxy	45.2901, 0.3475, 0.2467
Android (android.graphics.Color)	4294937822 (0xFFFF8CDE)
YUV	183.7330, 18.8656, 62.5012
Hunter-Lab	67.2979, 51.4384, -18.5250

Details

The Yxy color **45.2901, 0.3475, 0.2467** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.0927, 0.2904, 0.4298**, and the grayscale version is **47.6577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **21.1814, 0.3550, 0.2274** is the 20% darker color. If you saturate the color by 10%, you get **38.2993, 0.3582, 0.2305**, and if you desaturate by 10%, it is **54.0282, 0.3378, 0.2646**.

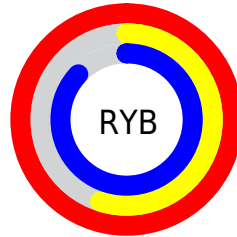
Distribution



Red (100%)

Green (55%)

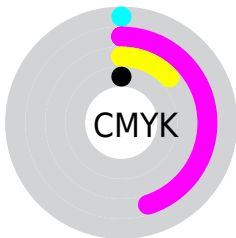
Blue (87%)



Red (100%)

Yellow (55%)

Blue (87%)

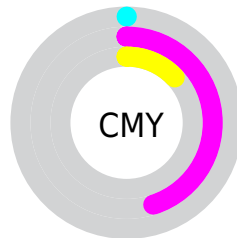


Cyan (0%)

Magenta (45%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2901, 0.3475, 0.2467 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 45.2901, 0.3475, 0.2467 by changing the saturation by 10% instead.


 45.2901, 0.3475,
0.2467


 45.2901, 0.3475,
0.2467


367.9472, 0.3315,
0.2849

 31.6860, 0.3511,
0.2380


 83.1556, 0.3420,
0.2600

 21.1218, 0.3556,
0.2273


 108.1857, 0.3398,
0.2651

 13.2130, 0.3611,
0.2138


137.7933, 0.3379,
0.2696

 7.5754, 0.3683,
0.1963

172.3628, 0.3363,
0.2734

 3.8245, 0.3777,
0.1730

212.2785, 0.3349,
0.2768

 1.5759, 0.3905,
0.1407

257.9249, 0.3336,

 0.3413, 0.4173,

0.2798

0.0744

309.6863, 0.3325,
0.2825

0.0000, 0.4386,
0.0000

0.0000, 0.0000,
0.0000

45.2901, 0.3475,
0.2467

45.2901, 0.3475,
0.2467

38.2993, 0.3582,
0.2305

54.0282, 0.3378,
0.2646

32.9284, 0.3698,
0.2170

64.6167, 0.3293,
0.2833

29.0427, 0.3819,
0.2074

77.1584, 0.3219,
0.3020

26.4829, 0.3941,
0.2026

91.7463, 0.3155,
0.3201

■ 25.0528, 0.4060,
0.2027

99.9937, 0.3127,
0.3290

■ 24.6260, 0.4117,
0.2042

Harmonies

Analogous

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



45.2901, 0.2663, 0.2153



45.2901, 0.3475, 0.2467



45.2901, 0.4274, 0.2950

Triad

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



45.2901, 0.3475, 0.2467



45.2901, 0.4153, 0.4628



45.2901, 0.1758, 0.2725

Complementary

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



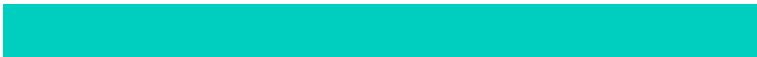
45.2901, 0.3475, 0.2467



80.0927, 0.2904, 0.4298

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.



45.2901, 0.2054, 0.3529



45.2901, 0.3475, 0.2467



45.2901, 0.3421, 0.4806

Square

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



45.2901, 0.3475, 0.2467



45.2901, 0.4650, 0.4120



45.2901, 0.2652, 0.4388



45.2901, 0.1771, 0.2236

Rectangle

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



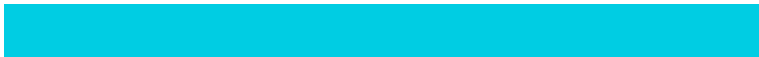
45.2901, 0.3475, 0.2467



45.2901, 0.4627, 0.3328



45.2901, 0.2652, 0.4388



45.2901, 0.1821, 0.2963

Sweetspot

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



45.2922, 0.3475, 0.2467



78.6580, 0.3211, 0.3040



34.8194, 0.2499, 0.1952



16.2101, 0.3226, 0.3000



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.



45.2922, 0.3475, 0.2467



38.9860, 0.3570, 0.2321



42.7314, 0.4073, 0.3032



18.2064, 0.3182, 0.3122



12.8985, 0.4099, 0.2032



1.2748, 0.3973, 0.1962

Inverse Universe

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



45.2922, 0.3475, 0.2467



38.9860, 0.3570, 0.2321



82.7932, 0.2631, 0.3579



18.2064, 0.3182, 0.3122



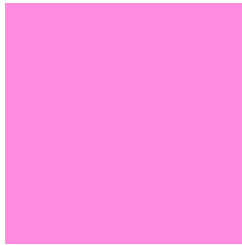
12.8985, 0.4099, 0.2032



1.2748, 0.3973, 0.1962

Previews

White Background



This preview shows how the Yxy color 45.2901, 0.3475, 0.2467 looks on a white background.

Color Contrast Check

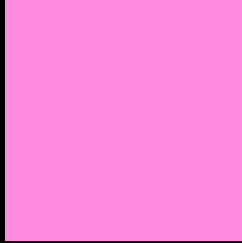
Large Text (above 18pt) WCAG AA × Fail

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 45.2901, 0.3475, 0.2467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

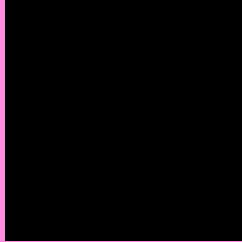
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2901, 0.3475, 0.2467

Background



This preview shows how black text looks on a background with the Yxy color 45.2901, 0.3475, 0.2467.



This preview shows how white text looks on a background with the Yxy color 45.2901, 0.3475, 0.2467.

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

45.2901, 0.3475, 0.2467

Protanopia

45.5529, 0.2490, 0.2418

Deuteranopia

45.5922, 0.2846, 0.2790



Tritanopia

45.0933, 0.3973, 0.3163

Trichromacy



Original Color

45.2901, 0.3475, 0.2467



Protanomaly

44.1204, 0.2787, 0.2418



Deuteranomaly

44.5217, 0.3061, 0.2647



Tritanomaly

45.1918, 0.3795, 0.2900

Monochromacy



Original Color

45.2901, 0.3475, 0.2467



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

45.7841, 0.3252, 0.2932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2901, 0.3475, 0.2467 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, 140, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 222)  
}
```

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, 140, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 222) }
```

Border

The CSS property to change the border of an element to Yxy 45.2901, 0.3475, 0.2467 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, 140, 222) }
```

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

```
.border{ border-color:rgb(255, 140, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 140, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 140, 222); box-shadow:4px 4px 4px 4px rgb(255, 140, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2901, 0.3475, 0.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 222) }
```

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

```
.background{ background-color: rgb(255,  
140, 222) }
```

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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