

Converting Colors

$Yxy(45.7606, 0.2749, 0.2387)$

Have a look what the booklet for
Yxy(45.7606, 0.2749, 0.2387)
contains.

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Color

Yxy(45.7606, 0.2749, 0.2387)

Conversions

Conversions Part 1

Format	Color
Hex	C2A7F6
RGB	194, 167, 246
RGB Percent	76%, 65%, 96%
CMY	0.2392, 0.3451, 0.0353
CMYK	0.21, 0.32, 0.00, 0.04
HSL	260°, 81%, 81%
HSV	260°, 32%, 96%
XYZ	52.7004, 45.7606, 93.2466
YIQ	184.0790, -9.2670, 30.2930

Conversions

Conversions Part 2

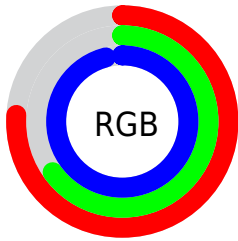
Format	Color
RYB	194, 167, 246
Decimal	12756982
CIELab	73.39, 25.47, -35.81
CIELCh	73, 43.939, 305.420
Yxy	45.7606, 0.2749, 0.2387
Android (android.graphics.Color)	4290947062 (0xFFC2A7F6)
YUV	184.0790, 30.5271, 8.7007
Hunter-Lab	67.6466, 20.6798, -34.3749

Details

The Yxy color $45.7606, 0.2749, 0.2387$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $83.7668, 0.3423, 0.4147$, and the grayscale version is $47.8116, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.9718, 0.3115, 0.2967$, and $21.4246, 0.2641, 0.2180$ is the 20% darker color. If you saturate the color by 10%, you get $35.5623, 0.2599, 0.2068$, and if you desaturate by 10%, it is $57.9105, 0.2885, 0.2693$.

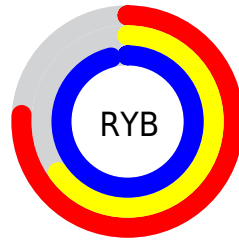
Distribution



Red (76%)

Green (65%)

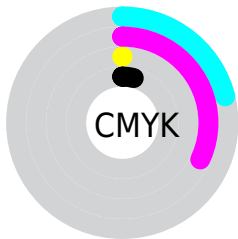
Blue (96%)



Red (76%)

Yellow (65%)

Blue (96%)

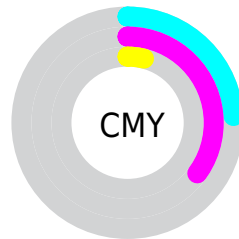


Cyan (21%)

Magenta (32%)

Yellow (0%)

Black (4%)



Cyan (24%)


Magenta (35%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7606, 0.2749, 0.2387 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 45.7606, 0.2749, 0.2387 by changing the saturation by 10% instead.


 45.7606, 0.2749,
0.2387

 45.7606, 0.2749,
0.2387

369.8453, 0.2942,
0.2809

 32.0569, 0.2701,
0.2291


 83.8606, 0.2820,
0.2534

 21.4050, 0.2639,
0.2173


 109.0257, 0.2846,
0.2590

 13.4204, 0.2557,
0.2024


138.7802, 0.2868,
0.2640

 7.7186, 0.2445,
0.1833

173.5083, 0.2888,
0.2682

 3.9154, 0.2286,
0.1581

213.5944, 0.2904,
0.2720

 1.6264, 0.2043,
0.1241

259.4231, 0.2919,

 0.3753, 0.1677,


0.2753

0.0638


311.3786, 0.2931,
0.2783


 0.0000, 0.0000,
0.0000


 45.7606, 0.2749,
0.2387


 45.7606, 0.2749,
0.2387

 35.5623, 0.2599,
0.2068


 57.9105, 0.2885,
0.2693


 27.2050, 0.2437,
0.1749


 72.1033, 0.3004,
0.2978

 20.5756, 0.2270,
0.1445

 88.4312, 0.3107,
0.3238

 15.5455, 0.2106,
0.1177

 99.4341, 0.3179,
0.3376

 11.9675, 0.1955,
0.0961

■ 9.6651, 0.1825,
0.0810

■ 8.5410, 0.1740,
0.0732

Harmonies

Analogous

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



45.7606, 0.2290, 0.2333



45.7606, 0.2749, 0.2387



45.7606, 0.3361, 0.2630

Triad

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



45.7606, 0.2749, 0.2387



45.7606, 0.4309, 0.3945



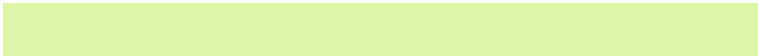
45.7606, 0.2330, 0.3520

Complementary

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



45.7606, 0.2749, 0.2387



83.7668, 0.3423, 0.4147

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.



45.7606, 0.2816, 0.4115



45.7606, 0.2749, 0.2387



45.7606, 0.3966, 0.4310

Square

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



45.7606, 0.2749, 0.2387



45.7606, 0.4317, 0.3479



45.7606, 0.3415, 0.4412



45.7606, 0.2067, 0.2914

Rectangle

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



45.7606, 0.2749, 0.2387



45.7606, 0.3775, 0.2875



45.7606, 0.3415, 0.4412



45.7606, 0.2471, 0.3734

Sweetspot

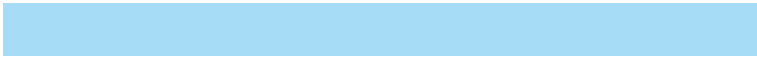
The Sweet Spot groups the original color and five complimentary colors.



45.7624, 0.2749, 0.2387



81.7496, 0.3027, 0.3035



65.8844, 0.2630, 0.2984



16.9895, 0.3012, 0.2997



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.



45.7624, 0.2749, 0.2387



41.7325, 0.2646, 0.2166



51.5901, 0.3057, 0.2464



16.2019, 0.3033, 0.3049



4.6281, 0.1756, 0.0741



0.4613, 0.1892, 0.0816

Inverse Universe

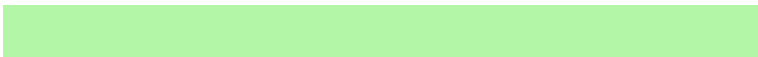
The Inverse Universe completely reimagines the original color for something new.



52.3485, 0.3388, 0.2745



50.1079, 0.3464, 0.2626



78.4284, 0.3164, 0.4221



16.6665, 0.3190, 0.3135



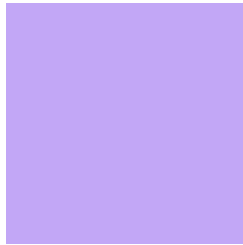
11.8768, 0.4307, 0.2146



1.0631, 0.4133, 0.2051

Previews

White Background



This preview shows how the Yxy color 45.7606, 0.2749, 0.2387 looks on a white background.

Color Contrast Check

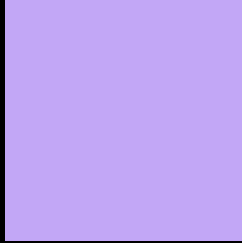
Large Text (above 18pt) WCAG AA × Fail

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 45.7606, 0.2749, 0.2387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

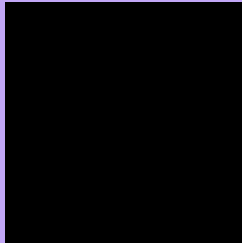
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7606, 0.2749, 0.2387

Background



This preview shows how black text looks on a background with the Yxy color 45.7606, 0.2749, 0.2387.



This preview shows how white text looks on a background with the Yxy color 45.7606, 0.2749, 0.2387.

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

45.7606, 0.2749, 0.2387

Protanopia

46.1646, 0.2459, 0.2379

Deuteranopia

46.0538, 0.2546, 0.2487



Tritanopia

45.8369, 0.3067, 0.3110

Trichromacy



Original Color

45.7606, 0.2749, 0.2387

Protanomaly

45.7832, 0.2553, 0.2379

Deuteranomaly

45.8633, 0.2616, 0.2445

Tritanomaly

45.7169, 0.2947, 0.2821

Monochromacy



Original Color

45.7606, 0.2749, 0.2387

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.0371, 0.2985, 0.2930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7606, 0.2749, 0.2387 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(194, 167, 246)` looks like.

```
.text, #text, p{  
    color:rgb(194, 167, 246)  
}
```

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(194, 167, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 167, 246) }
```

Border

The CSS property to change the border of an element to Yxy 45.7606, 0.2749, 0.2387 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(194, 167, 246) }
```

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

```
.border{ border-color:rgb(194, 167, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 167, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 167, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 167, 246);  
box-shadow:4px 4px 4px 4px rgb(194, 167,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7606, 0.2749, 0.2387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 167, 246) }
```

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

```
.background{ background-color: rgb(194,  
167, 246) }
```

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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