

Converting Colors

$Y_{xy}(47.2698, 0.2661, 0.2368)$

Have a look what the booklet for
Yxy(47.2698, 0.2661, 0.2368)
contains.

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Color

Yxy(47.2883, 0.2664, 0.2367)

Conversions

Conversions Part 1

Format	Color
Hex	BCACFD
RGB	188, 172, 253
RGB Percent	74%, 67%, 99%
CMY	0.2628, 0.3255, 0.0077
CMYK	0.26, 0.32, 0.00, 0.01
HSL	252°, 95%, 83%
HSV	252°, 32%, 99%
XYZ	53.2218, 47.2883, 99.2715
YIQ	186.0180, -16.4650, 28.5830

Conversions

Conversions Part 2

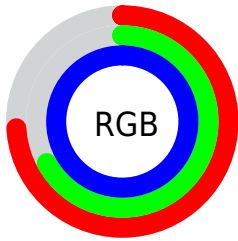
Format	Color
R _Y B	188, 172, 253
Decimal	12365053
CIE _{Lab}	74.37, 22.57, -38.12
CIE _{LCh}	74, 44.299, 300.637
Y _{xy}	47.2883, 0.2664, 0.2367
Android (android.graphics.Color)	4290555133 (0xFFBCACFD)
YUV	186.0180, 33.0221, 1.7382
Hunter-Lab	68.7665, 17.8087, -37.4546

Details

The Yxy color **47.2883, 0.2664, 0.2367** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.2569, 0.3502, 0.4123**, and the grayscale version is **48.9327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5706, 0.3072, 0.3013**, and **22.4050, 0.2536, 0.2156** is the 20% darker color. If you saturate the color by 10%, you get **36.1579, 0.2484, 0.2032**, and if you desaturate by 10%, it is **60.6189, 0.2829, 0.2685**.

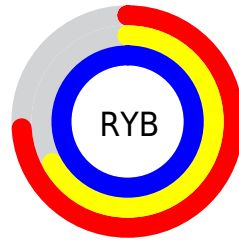
Distribution



Red (74%)

Green (67%)

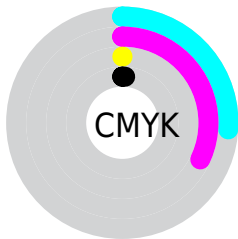
Blue (99%)



Red (74%)

Yellow (67%)

Blue (99%)

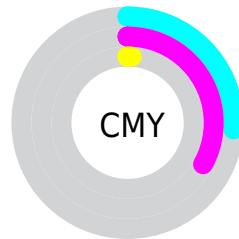


Cyan (26%)

Magenta (32%)

Yellow (0%)

Black (1%)



Cyan (26%)


Magenta (33%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2883, 0.2664, 0.2367 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 47.2883, 0.2664, 0.2367 by changing the saturation by 10% instead.


 47.2883, 0.2664,
0.2367

 47.2883, 0.2664,
0.2367


375.9641, 0.2896,
0.2796

 33.2636, 0.2607,
0.2270


 86.1438, 0.2748,
0.2516

 22.3285, 0.2535,
0.2151


111.7434, 0.2779,
0.2574

 14.0985, 0.2442,
0.2001


141.9701, 0.2806,
0.2624

 8.1892, 0.2316,
0.1811

177.2084, 0.2829,
0.2667

 4.2162, 0.2139,
0.1561

217.8425, 0.2849,
0.2705

 1.7952, 0.1880,
0.1227

264.2569, 0.2867,

 0.4842, 0.1492,

0.2739

0.0706

316.8360, 0.2883,
0.2769

0.0000, 0.0000,
0.0000

47.2883, 0.2664,
0.2367

47.2883, 0.2664,
0.2367

36.1579, 0.2484,
0.2032

60.6189, 0.2829,
0.2685

27.1026, 0.2294,
0.1693

76.2543, 0.2975,
0.2977

19.9933, 0.2104,
0.1371

94.2993, 0.3103,
0.3240

14.6840, 0.1925,
0.1087

99.8735, 0.3139,
0.3309

11.0072, 0.1771,
0.0864

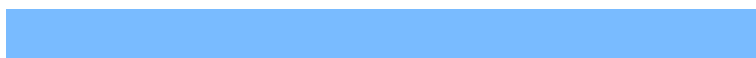
■ 8.7631, 0.1651,
0.0715

■ 7.7696, 0.1584,
0.0646

Harmonies

Analogous

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



47.2883, 0.2239, 0.2347



47.2883, 0.2664, 0.2367



47.2883, 0.3259, 0.2582

Triad

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



47.2883, 0.2664, 0.2367



47.2883, 0.4332, 0.3873



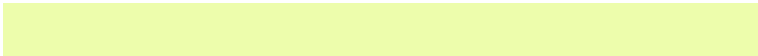
47.2883, 0.2397, 0.3622

Complementary

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



47.2883, 0.2664, 0.2367



91.2569, 0.3502, 0.4123

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.



47.2883, 0.2909, 0.4186



47.2883, 0.2664, 0.2367



47.2883, 0.4036, 0.4262

Square

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



47.2883, 0.2664, 0.2367



47.2883, 0.4280, 0.3403



47.2883, 0.3510, 0.4417



47.2883, 0.2095, 0.3001

Rectangle

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



47.2883, 0.2664, 0.2367



47.2883, 0.3679, 0.2813



47.2883, 0.3510, 0.4417



47.2883, 0.2548, 0.3832

Sweetspot

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



47.2902, 0.2664, 0.2367



81.1182, 0.3003, 0.3033



77.1137, 0.2648, 0.3124



16.8376, 0.2984, 0.2994



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.



47.2902, 0.2664, 0.2367



41.0806, 0.2558, 0.2167



52.9911, 0.2961, 0.2441



17.5502, 0.3009, 0.3046



4.1796, 0.1594, 0.0652



0.4497, 0.1692, 0.0706

Inverse Universe

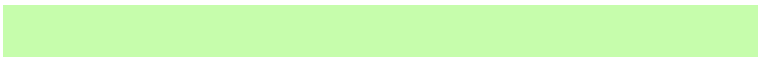
The Inverse Universe completely reimagines the original color for something new.



56.5109, 0.3291, 0.2636



51.7971, 0.3330, 0.2514



85.2051, 0.3240, 0.4197



18.2353, 0.3168, 0.3101



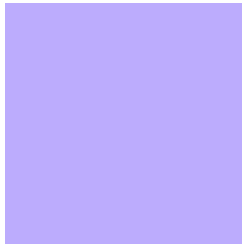
13.4259, 0.3783, 0.1857



1.3222, 0.3705, 0.1815

Previews

White Background



This preview shows how the Yxy color 47.2883, 0.2664, 0.2367 looks on a white background.

Color Contrast Check

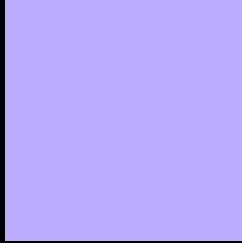
Large Text (above 18pt) WCAG AA × Fail

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 47.2883, 0.2664, 0.2367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

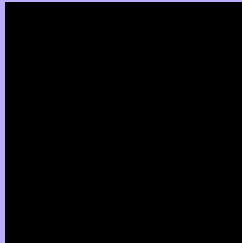
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.2883, 0.2664, 0.2367

Background



This preview shows how black text looks on a background with the Yxy color 47.2883, 0.2664, 0.2367.



This preview shows how white text looks on a background with the Yxy color 47.2883, 0.2664, 0.2367.

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

47.2883, 0.2664, 0.2367

Protanopia

47.3361, 0.2476, 0.2398

Deuteranopia

47.5898, 0.2505, 0.2452



Tritanopia

47.2453, 0.2971, 0.3109

Trichromacy



Original Color

47.2883, 0.2664, 0.2367

Protanomaly

47.1461, 0.2541, 0.2386

Deuteranomaly

47.5270, 0.2560, 0.2420

Tritanomaly

47.0737, 0.2856, 0.2819

Monochromacy



Original Color

47.2883, 0.2664, 0.2367

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.2657, 0.2955, 0.2932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2883, 0.2664, 0.2367 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(188, 172, 253)` looks like.

```
.text, #text, p{  
    color:rgb(188, 172, 253)  
}
```

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(188, 172, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 172, 253) }
```

Border

The CSS property to change the border of an element to Yxy 47.2883, 0.2664, 0.2367 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(188, 172, 253) }
```

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

```
.border{ border-color:rgb(188, 172, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 172, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 172, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 172, 253);  
box-shadow:4px 4px 4px 4px rgb(188, 172,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2883, 0.2664, 0.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 172, 253) }
```

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

```
.background{ background-color: rgb(188,  
172, 253) }
```

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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