

Converting Colors

Yxy(54.4455, 0.2386, 0.1703)

Have a look what the booklet for
Yxy(54.4455, 0.2386, 0.1703)
contains.

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Color

Yxy(47.8124, 0.2863, 0.2298)

Conversions

Conversions Part 1

Format	Color
Hex	D9A2FF
RGB	217, 162, 255
RGB Percent	85%, 64%, 100%
CMY	0.1493, 0.3646, 0.0001
CMYK	0.15, 0.36, 0.00, 0.00
HSL	275°, 100%, 82%
HSV	275°, 36%, 100%
XYZ	59.5678, 47.8124, 100.6807
YIQ	189.0470, 2.9270, 40.5830

Conversions

Conversions Part 2

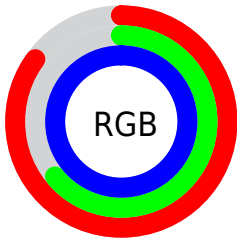
Format	Color
R _{YB}	217, 162, 255
Decimal	14263039
CIE _{Lab}	74.71, 36.91, -38.46
CIE _{LCh}	75, 53.303, 313.825
Yxy	47.8124, 0.2863, 0.2298
Android (android.graphics.Color)	4292453119 (0xFFD9A2FF)
YUV	189.0470, 32.5148, 24.5148
Hunter-Lab	69.1465, 32.7665, -37.9266

Details

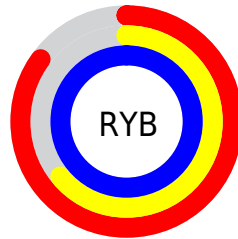
The Yxy color $47.8124, 0.2863, 0.2298$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $86.4096, 0.3307, 0.4322$, and the grayscale version is $50.7261, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.1057, 0.3145, 0.2920$, and $22.5916, 0.2782, 0.2070$ is the 20% darker color. If you saturate the color by 10%, you get $38.1724, 0.2766, 0.2010$, and if you desaturate by 10%, it is $59.3788, 0.2950, 0.2586$.

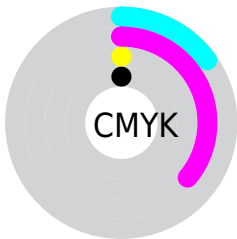
Distribution



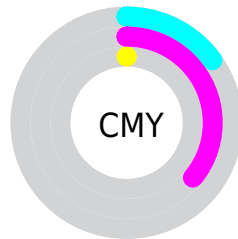
- Red (85%)
- Green (64%)
- Blue (100%)



- Red (85%)
- Yellow (64%)
- Blue (100%)



- Cyan (15%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8124, 0.2863, 0.2298 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 47.8124, 0.2863, 0.2298 by changing the saturation by 10% instead.

 47.8124, 0.2863,
0.2298

 47.8124, 0.2863,
0.2298

378.0480, 0.3004,
0.2750

 33.6783, 0.2827,
0.2198


 86.9250, 0.2915,
0.2453

 22.6466, 0.2780,
0.2076


 112.6724, 0.2935,
0.2514

 14.3328, 0.2718,
0.1925


143.0596, 0.2951,
0.2566

 8.3525, 0.2631,
0.1734

178.4712, 0.2965,
0.2612

 4.3213, 0.2507,
0.1487

219.2914, 0.2976,
0.2653

 1.8549, 0.2314,
0.1164

265.9047, 0.2987,

 0.5210, 0.2010,

0.2689

0.0686

318.6954, 0.2996,
0.2721

0.0000, 0.1206,
0.0000

0.0000, 0.0000,
0.0000

47.8124, 0.2863,
0.2298

47.8124, 0.2863,
0.2298

38.1724, 0.2766,
0.2010

59.3788, 0.2950,
0.2586

30.3402, 0.2660,
0.1735

72.9689, 0.3026,
0.2866

24.1931, 0.2549,
0.1486

88.6803, 0.3091,
0.3130

19.5901, 0.2437,
0.1277

99.9988, 0.3127,
0.3290

■ 16.3661, 0.2329,
0.1118

■ 14.3151, 0.2228,
0.1011

■ 13.7598, 0.2193,
0.0982

Harmonies

Analogous

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



47.8124, 0.2268, 0.2168



47.8124, 0.2863, 0.2298



47.8124, 0.3614, 0.2629

Triad

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



47.8124, 0.2863, 0.2298



47.8124, 0.4439, 0.4177



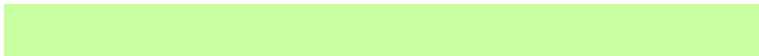
47.8124, 0.2071, 0.3336

Complementary

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



47.8124, 0.2863, 0.2298



86.4096, 0.3307, 0.4322

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.



47.8124, 0.2566, 0.4113



47.8124, 0.2863, 0.2298



47.8124, 0.3936, 0.4573

Square

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



47.8124, 0.2863, 0.2298



47.8124, 0.4588, 0.3643



47.8124, 0.3249, 0.4602



47.8124, 0.1857, 0.2665

Rectangle

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



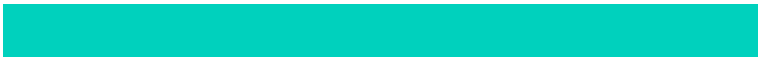
47.8124, 0.2863, 0.2298



47.8124, 0.4087, 0.2933



47.8124, 0.3249, 0.4602



47.8124, 0.2207, 0.3600

Sweetspot

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



47.8144, 0.2863, 0.2298



81.2776, 0.3063, 0.3012



56.5678, 0.2525, 0.2655



16.9423, 0.3054, 0.2976



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.



47.8144, 0.2863, 0.2298



40.3702, 0.2791, 0.2080



53.8406, 0.3232, 0.2451



17.9080, 0.3072, 0.3051



7.2805, 0.2209, 0.0991



0.7728, 0.2319, 0.1051

Inverse Universe

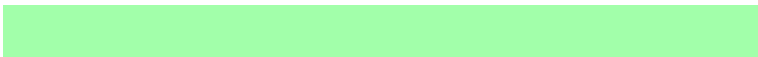
The Inverse Universe completely reimagines the original color for something new.



51.2848, 0.3648, 0.2896



44.5074, 0.3807, 0.2815



82.0878, 0.3036, 0.4305



18.1104, 0.3230, 0.3193



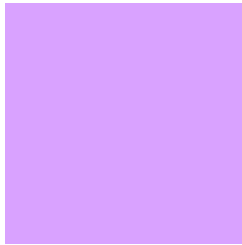
11.6631, 0.5346, 0.2718



1.1566, 0.5048, 0.2554

Previews

White Background



This preview shows how the Yxy color 47.8124, 0.2863, 0.2298 looks on a white background.

Color Contrast Check

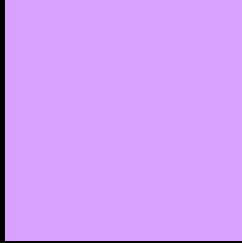
Large Text (above 18pt) WCAG AA × Fail

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 47.8124, 0.2863, 0.2298 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 47.8124, 0.2863, 0.2298

Background



This preview shows how black text looks on a background with the Yxy color 47.8124, 0.2863, 0.2298.



This preview shows how white text looks on a background with the Yxy color 47.8124, 0.2863, 0.2298.

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

47.8124, 0.2863, 0.2298

Protanopia

48.2530, 0.2486, 0.2424

Deuteranopia

48.3134, 0.2526, 0.2468



Tritanopia

47.8466, 0.3284, 0.3132

Trichromacy



Original Color

47.8124, 0.2863, 0.2298



Protanomaly

47.7037, 0.2606, 0.2371



Deuteranomaly

47.7555, 0.2638, 0.2403

Tritanomaly

47.6316, 0.3124, 0.2800

Monochromacy



Original Color

47.8124, 0.2863, 0.2298



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

49.1864, 0.3030, 0.2883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8124, 0.2863, 0.2298 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(217, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 162, 255)  
}
```

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(217, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 162, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.8124, 0.2863, 0.2298 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(217, 162, 255) }
```

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

```
.border{ border-color:rgb(217, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 162,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8124, 0.2863, 0.2298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 162, 255) }
```

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

```
.background{ background-color: rgb(217,  
162, 255) }
```

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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