

Converting Colors

$Y_{xy}(44.7935, 0.3069, 0.2491)$

Have a look what the booklet for
Yxy(44.7935, 0.3069, 0.2491)
contains.

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Color

Yxy(44.6765, 0.3068, 0.2487)

Conversions

Conversions Part 1

Format	Color
Hex	DA9DE5
RGB	218, 157, 229
RGB Percent	85%, 62%, 90%
CMY	0.1451, 0.3843, 0.1019
CMYK	0.05, 0.31, 0.00, 0.10
HSL	291°, 58%, 76%
HSV	291°, 31%, 90%
XYZ	55.1136, 44.6765, 79.8500
YIQ	183.4470, 13.2440, 35.3240

Conversions

Conversions Part 2

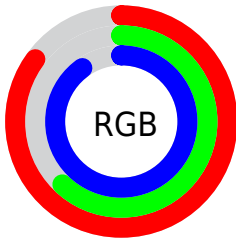
Format	Color
R _Y B	218, 157, 229
Decimal	14327269
CIE Lab	72.68, 34.71, -27.46
CIE LCh	73, 44.260, 321.646
Yxy	44.6765, 0.3068, 0.2487
Android (android.graphics.Color)	4292517349 (0xFFDA9DE5)
YUV	183.4470, 22.4576, 30.3030
Hunter-Lab	66.8405, 30.2121, -24.0416

Details

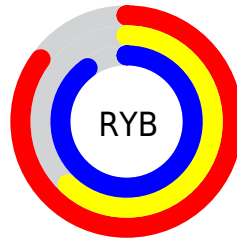
The Yxy color $44.6765, 0.3068, 0.2487$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $66.8013, 0.3157, 0.4196$, and the grayscale version is $47.4821, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.5670, 0.3147, 0.2871$, and $20.8017, 0.3042, 0.2301$ is the 20% darker color. If you saturate the color by 10%, you get $37.1081, 0.3040, 0.2231$, and if you desaturate by 10%, it is $53.7124, 0.3091, 0.2748$.

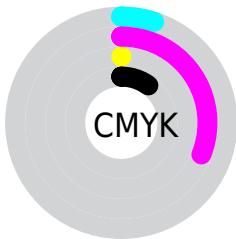
Distribution



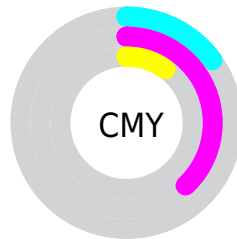
- Red (85%)
- Green (62%)
- Blue (90%)



- Red (85%)
- Yellow (62%)
- Blue (90%)



- Cyan (5%)
- Magenta (31%)
- Yellow (0%)
- Black (10%)




- Cyan (15%)
- Magenta (38%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6765, 0.3068, 0.2487 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 44.6765, 0.3068, 0.2487 by changing the saturation by 10% instead.


 44.6765, 0.3068,
0.2487


 44.6765, 0.3068,
0.2487


365.4618, 0.3107,
0.2864

 31.2027, 0.3056,
0.2400


 82.2348, 0.3084,
0.2618

 20.7532, 0.3039,
0.2293


 107.0880, 0.3090,
0.2669

 12.9438, 0.3015,
0.2157


136.5032, 0.3094,
0.2713

 7.3898, 0.2979,
0.1980

170.8646, 0.3098,
0.2751

 3.7071, 0.2920,
0.1742

210.5569, 0.3101,
0.2785

 1.5111, 0.2815,
0.1410

255.9642, 0.3103,

 0.2965, 0.2673,

0.2814

0.0681

307.4710, 0.3105,
0.2840

0.0000, 0.0689,
0.0000

0.0000, 0.0000,
0.0000

44.6765, 0.3068,
0.2487

44.6765, 0.3068,
0.2487

37.1081, 0.3040,
0.2231

53.7124, 0.3091,
0.2748

30.9199, 0.3009,
0.1991


64.2850, 0.3110,
0.3006


26.0245, 0.2973,
0.1777


76.4661, 0.3125,
0.3255


22.3221, 0.2935,
0.1599

90.3213, 0.3137,
0.3490


 19.6979, 0.2895,
0.1464


 94.9248, 0.3155,
0.3552


 18.0145, 0.2855,
0.1374

 95.5280, 0.3177,
0.3550

 17.1277, 0.2820,
0.1327

 96.1431, 0.3200,
0.3548

 96.7700, 0.3222,
0.3547

 97.4089, 0.3244,
0.3545

Harmonies

Analogous

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



44.6765, 0.2504, 0.2324



44.6765, 0.3068, 0.2487



44.6765, 0.3709, 0.2818

Triad

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



44.6765, 0.3068, 0.2487



44.6765, 0.4172, 0.4176



44.6765, 0.2143, 0.3173

Complementary

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



44.6765, 0.3068, 0.2487



66.8013, 0.3157, 0.4196

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.



44.6765, 0.2521, 0.3821



44.6765, 0.3068, 0.2487



44.6765, 0.3691, 0.4427

Square

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



44.6765, 0.3068, 0.2487



44.6765, 0.4378, 0.3741



44.6765, 0.3085, 0.4319



44.6765, 0.2015, 0.2652

Rectangle

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



44.6765, 0.3068, 0.2487



44.6765, 0.4073, 0.3105



44.6765, 0.3085, 0.4319



44.6765, 0.2243, 0.3386

Sweetspot

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



44.6784, 0.3068, 0.2487



85.5622, 0.3114, 0.3067



41.2035, 0.2587, 0.2523



17.8488, 0.3112, 0.3030



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.



44.6784, 0.3068, 0.2487



50.2667, 0.3050, 0.2312



45.1822, 0.3375, 0.2753



14.4978, 0.3114, 0.3057



9.8350, 0.2827, 0.1331



0.7571, 0.2886, 0.1363

Inverse Universe

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



43.6016, 0.3733, 0.3164



48.7614, 0.3925, 0.3137



66.5461, 0.2944, 0.3898



14.4037, 0.3268, 0.3254



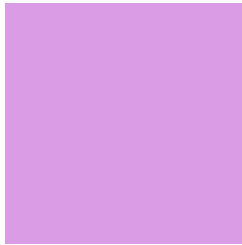
9.6047, 0.6183, 0.3180



0.7209, 0.5824, 0.2982

Previews

White Background



This preview shows how the Yxy color 44.6765, 0.3068, 0.2487 looks on a white background.

Color Contrast Check

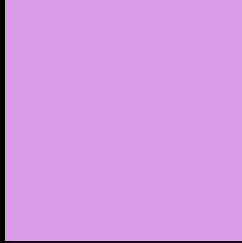
Large Text (above 18pt) WCAG AA × Fail

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 44.6765, 0.3068, 0.2487 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 44.6765, 0.3068, 0.2487

Background



This preview shows how black text looks on a background with the Yxy color 44.6765, 0.3068, 0.2487.

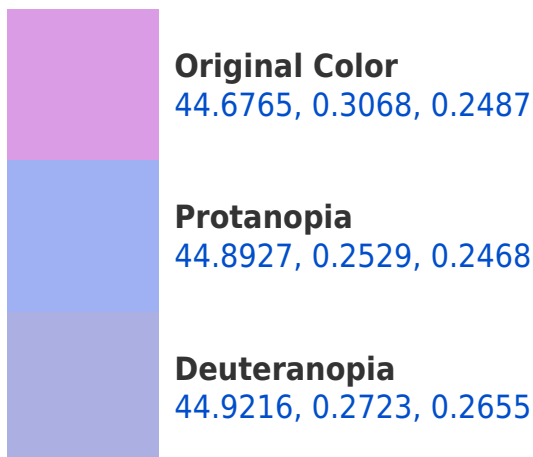


This preview shows how white text looks on a background with the Yxy color 44.6765, 0.3068, 0.2487.

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

44.7816, 0.3422, 0.3133

Trichromacy



Original Color

44.6765, 0.3068, 0.2487



Protanomaly

44.2523, 0.2698, 0.2464



Deuteranomaly

44.3701, 0.2842, 0.2581



Tritanomaly

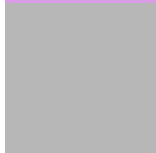
44.5677, 0.3293, 0.2877

Monochromacy



Original Color

44.6765, 0.3068, 0.2487



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

46.1780, 0.3108, 0.2969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6765, 0.3068, 0.2487 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(218, 157, 229)` looks like.

```
.text, #text, p{  
    color:rgb(218, 157, 229)  
}
```

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(218, 157, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 157, 229) }
```

Border

The CSS property to change the border of an element to Yxy 44.6765, 0.3068, 0.2487 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(218, 157, 229) }
```

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

```
.border{ border-color:rgb(218, 157, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 157, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 157, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 157, 229);  
box-shadow:4px 4px 4px 4px rgb(218, 157,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6765, 0.3068, 0.2487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 157, 229) }
```

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

```
.background{ background-color: rgb(218,  
157, 229) }
```

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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