

Converting Colors

Yxy(49.6820, 0.2812, 0.2369)

Have a look what the booklet for
Yxy(49.6820, 0.2812, 0.2369)
contains.

Yxy(49.6711, 0.2813, 0.2368)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.6711, 0.2813, 0.2368)

Conversions

Conversions Part 1

Format	Color
Hex	D2AAFF
RGB	210, 170, 255
RGB Percent	82%, 67%, 100%
CMY	0.1764, 0.3333, 0.0000
CMYK	0.18, 0.33, 0.00, 0.00
HSL	268°, 100%, 83%
HSV	268°, 33%, 100%
XYZ	59.0054, 49.6711, 101.0832
YIQ	191.6500, -3.4450, 34.9150

Conversions

Conversions Part 2

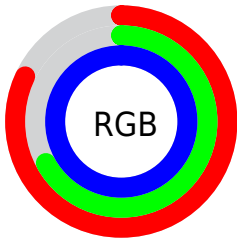
Format	Color
R _Y B	210, 170, 255
Decimal	13806335
CIE Lab	75.87, 30.56, -36.71
CIE LCh	76, 47.767, 309.770
Yxy	49.6711, 0.2813, 0.2368
Android (android.graphics.Color)	4291996415 (0xFFD2AAFF)
YUV	191.6500, 31.2316, 16.0930
Hunter-Lab	70.4777, 26.1079, -35.7027

Details

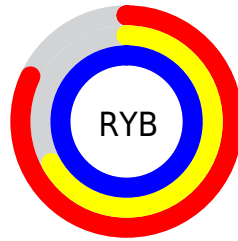
The Yxy color $49.6711, 0.2813, 0.2368$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $88.8658, 0.3361, 0.4205$, and the grayscale version is $52.3159, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.8727, 0.3140, 0.3009$, and $23.6698, 0.2717, 0.2152$ is the 20% darker color. If you saturate the color by 10%, you get $39.1238, 0.2690, 0.2064$, and if you desaturate by 10%, it is $62.2435, 0.2923, 0.2665$.

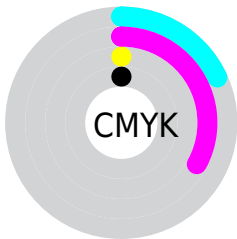
Distribution



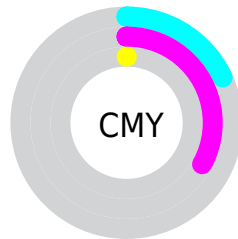
- Red (82%)
- Green (67%)
- Blue (100%)



- Red (82%)
- Yellow (67%)
- Blue (100%)



- Cyan (18%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6711, 0.2813, 0.2368 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 49.6711, 0.2813, 0.2368 by changing the saturation by 10% instead.


 49.6711, 0.2813,
0.2368

 49.6711, 0.2813,
0.2368


385.3783, 0.2974,
0.2790

 35.1521, 0.2773,
0.2274


 89.6874, 0.2872,
0.2513

 23.7801, 0.2721,
0.2159


115.9535, 0.2894,
0.2570

 15.1706, 0.2653,
0.2016


146.9041, 0.2913,
0.2619

 8.9392, 0.2560,
0.1834

182.9236, 0.2929,
0.2662

 4.7015, 0.2428,
0.1598

224.3963, 0.2942,
0.2700

 2.0732, 0.2229,
0.1283

271.7068, 0.2955,

 0.6495, 0.1911,

0.2733

0.0840

325.2393, 0.2965,
0.2763

0.0000, 0.1090,
0.0000

0.0000, 0.0000,
0.0000

49.6711, 0.2813,
0.2368

49.6711, 0.2813,
0.2368

39.1238, 0.2690,
0.2064

62.2435, 0.2923,
0.2665

30.4839, 0.2556,
0.1764

76.9380, 0.3020,
0.2947

23.6304, 0.2417,
0.1484

93.8522, 0.3102,
0.3208

18.4256, 0.2276,
0.1240

99.9999, 0.3127,
0.3290

■ 14.7102, 0.2142,
0.1045

■ 12.2914, 0.2021,
0.0910

■ 11.2163, 0.1948,
0.0847

Harmonies

Analogous

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



49.6711, 0.2302, 0.2280



49.6711, 0.2813, 0.2368



49.6711, 0.3471, 0.2647

Triad

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



49.6711, 0.2813, 0.2368



49.6711, 0.4340, 0.4039



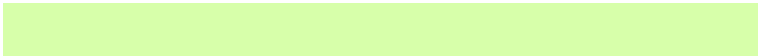
49.6711, 0.2231, 0.3431

Complementary

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



49.6711, 0.2813, 0.2368



88.8658, 0.3361, 0.4205

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.



49.6711, 0.2711, 0.4089



49.6711, 0.2813, 0.2368



49.6711, 0.3933, 0.4403

Square

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



49.6711, 0.2813, 0.2368



49.6711, 0.4409, 0.3556



49.6711, 0.3334, 0.4463



49.6711, 0.1995, 0.2810

Rectangle

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



49.6711, 0.2813, 0.2368



49.6711, 0.3899, 0.2915



49.6711, 0.3334, 0.4463



49.6711, 0.2366, 0.3661

Sweetspot

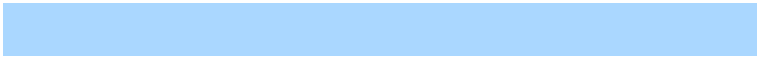
The Sweet Spot groups the original color and five complimentary colors.



49.6731, 0.2813, 0.2368



82.3255, 0.3049, 0.3036



64.5363, 0.2594, 0.2837



17.1284, 0.3037, 0.2999



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.



49.6731, 0.2813, 0.2368



42.4226, 0.2732, 0.2165



56.6956, 0.3143, 0.2454



17.7970, 0.3053, 0.3050



5.9481, 0.1965, 0.0856



0.6435, 0.2090, 0.0925

Inverse Universe

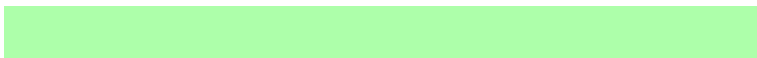
The Inverse Universe completely reimagines the original color for something new.



54.9145, 0.3497, 0.2829



48.5465, 0.3600, 0.2736



83.2865, 0.3097, 0.4284



18.1478, 0.3211, 0.3165



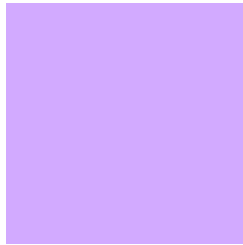
12.0526, 0.4840, 0.2440



1.1956, 0.4603, 0.2309

Previews

White Background



This preview shows how the Yxy color 49.6711, 0.2813, 0.2368 looks on a white background.

Color Contrast Check

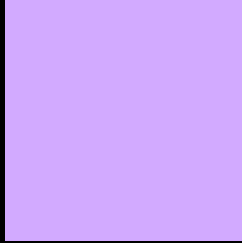
Large Text (above 18pt) WCAG AA × Fail

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 49.6711, 0.2813, 0.2368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

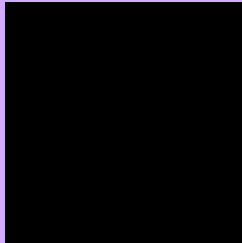
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6711, 0.2813, 0.2368

Background



This preview shows how black text looks on a background with the Yxy color 49.6711, 0.2813, 0.2368.



This preview shows how white text looks on a background with the Yxy color 49.6711, 0.2813, 0.2368.

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

49.6711, 0.2813, 0.2368

Protanopia

50.0249, 0.2522, 0.2468

Deuteranopia

49.7443, 0.2556, 0.2489



Tritanopia

49.7208, 0.3169, 0.3119

Trichromacy



Original Color

49.6711, 0.2813, 0.2368



Protanomaly

49.8076, 0.2619, 0.2431



Deuteranomaly

49.5224, 0.2644, 0.2442



Tritanomaly

49.6879, 0.3040, 0.2832

Monochromacy



Original Color

49.6711, 0.2813, 0.2368



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

51.3294, 0.3014, 0.2922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6711, 0.2813, 0.2368 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(210, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 170, 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(210, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 170, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.6711, 0.2813, 0.2368 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(210, 170, 255) }
```

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

```
.border{ border-color:rgb(210, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 170,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6711, 0.2813, 0.2368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 170, 255) }
```

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

```
.background{ background-color: rgb(210,  
170, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor