

Converting Colors

Yxy(52.7225, 0.2514, 0.2050)

Have a look what the booklet for
Yxy(52.7225, 0.2514, 0.2050)
contains.

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Color

Yxy(49.6637, 0.2755, 0.2386)

Conversions

Conversions Part 1

Format	Color
Hex	CAADFF
RGB	202, 173, 255
RGB Percent	79%, 68%, 100%
CMY	0.2079, 0.3215, 0.0002
CMYK	0.21, 0.32, 0.00, 0.00
HSL	261°, 100%, 84%
HSV	261°, 32%, 100%
XYZ	57.3443, 49.6637, 101.1383
YIQ	191.0190, -9.0380, 31.6500

Conversions

Conversions Part 2

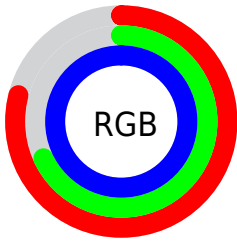
Format	Color
R _Y B	202, 173, 255
Decimal	13282815
CIE Lab	75.86, 26.54, -36.76
CIE LCh	76, 45.335, 305.826
Yxy	49.6637, 0.2755, 0.2386
Android (android.graphics.Color)	4291472895 (0xFFCAADFF)
YUV	191.0190, 31.5426, 9.6303
Hunter-Lab	70.4725, 21.9208, -35.7591

Details

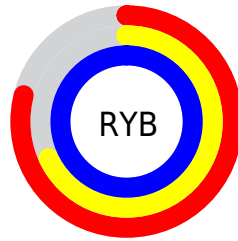
The Yxy color **49.6637, 0.2755, 0.2386** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **90.6785, 0.3417, 0.4151**, and the grayscale version is **51.9304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5186, 0.3139, 0.3039**, and **23.7132, 0.2652, 0.2173** is the 20% darker color. If you saturate the color by 10%, you get **38.6248, 0.2607, 0.2068**, and if you desaturate by 10%, it is **62.8177, 0.2888, 0.2692**.

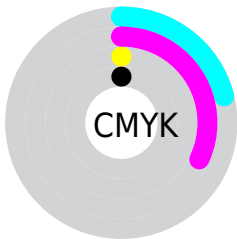
Distribution



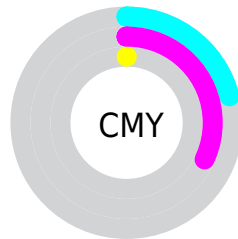
- Red (79%)
- Green (68%)
- Blue (100%)



- Red (79%)
- Yellow (68%)
- Blue (100%)



- Cyan (21%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6637, 0.2755, 0.2386 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 49.6637, 0.2755, 0.2386 by changing the saturation by 10% instead.

 49.6637, 0.2755,
0.2386

 49.6637, 0.2755,
0.2386

385.3493, 0.2943,
0.2802

 35.1463, 0.2709,
0.2293

 89.6764, 0.2823,
0.2529

 23.7756, 0.2650,
0.2179


115.9404, 0.2849,
0.2585

 15.1672, 0.2573,
0.2036


146.8888, 0.2871,
0.2634

 8.9368, 0.2469,
0.1855

182.9059, 0.2889,
0.2676

 4.7000, 0.2322,
0.1619

224.3761, 0.2905,
0.2713

 2.0723, 0.2103,
0.1302

271.6838, 0.2920,

 0.6490, 0.1761,

0.2746

0.0853

325.2134, 0.2932,
0.2776

0.0000, 0.0769,
0.0000

0.0000, 0.0000,
0.0000

49.6637, 0.2755,
0.2386

49.6637, 0.2755,
0.2386

38.6248, 0.2607,
0.2068

62.8177, 0.2888,
0.2692

29.5810, 0.2447,
0.1750

78.1861, 0.3006,
0.2977

22.4088, 0.2283,
0.1448

95.8691, 0.3107,
0.3238

16.9686, 0.2120,
0.1181

99.9975, 0.3127,
0.3290

■ 13.0998, 0.1970,
0.0967

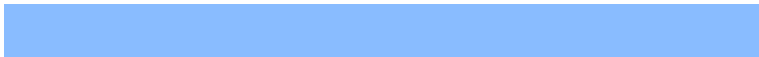
■ 10.6100, 0.1840,
0.0817

■ 9.3999, 0.1756,
0.0741

Harmonies

Analogous

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



49.6637, 0.2292, 0.2329



49.6637, 0.2755, 0.2386



49.6637, 0.3371, 0.2632

Triad

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



49.6637, 0.2755, 0.2386



49.6637, 0.4311, 0.3953



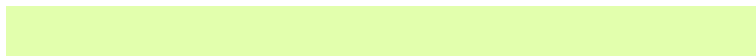
49.6637, 0.2322, 0.3511

Complementary

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



49.6637, 0.2755, 0.2386



90.6785, 0.3417, 0.4151

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.



49.6637, 0.2807, 0.4112



49.6637, 0.2755, 0.2386



49.6637, 0.3962, 0.4318

Square

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



49.6637, 0.2755, 0.2386



49.6637, 0.4324, 0.3486



49.6637, 0.3408, 0.4415



49.6637, 0.2061, 0.2905

Rectangle

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



49.6637, 0.2755, 0.2386



49.6637, 0.3785, 0.2879



49.6637, 0.3408, 0.4415



49.6637, 0.2462, 0.3727

Sweetspot

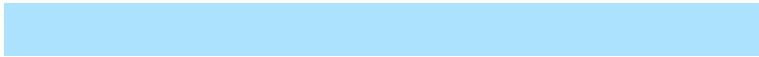
The Sweet Spot groups the original color and five complimentary colors.



49.6657, 0.2755, 0.2386



81.8028, 0.3029, 0.3035



70.6482, 0.2627, 0.2967



17.0023, 0.3014, 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.



49.6657, 0.2755, 0.2386



41.8866, 0.2655, 0.2169



56.1056, 0.3068, 0.2464



17.6902, 0.3034, 0.3048



4.9886, 0.1772, 0.0750



0.5442, 0.1895, 0.0817

Inverse Universe

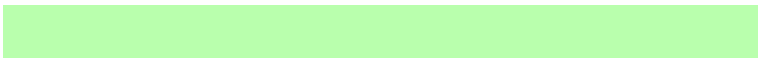
The Inverse Universe completely reimagines the original color for something new.



56.6347, 0.3398, 0.2753



50.0443, 0.3475, 0.2637



84.8655, 0.3156, 0.4226



18.1849, 0.3193, 0.3138



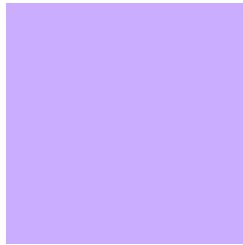
12.5542, 0.4357, 0.2174



1.2431, 0.4191, 0.2082

Previews

White Background



This preview shows how the Yxy color 49.6637, 0.2755, 0.2386 looks on a white background.

Color Contrast Check

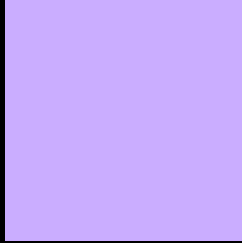
Large Text (above 18pt) WCAG AA × Fail

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 49.6637, 0.2755, 0.2386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

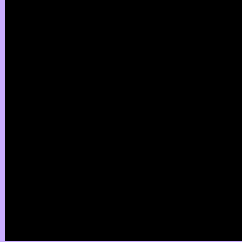
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6637, 0.2755, 0.2386

Background



This preview shows how black text looks on a background with the Yxy color 49.6637, 0.2755, 0.2386.



This preview shows how white text looks on a background with the Yxy color 49.6637, 0.2755, 0.2386.

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

49.6637, 0.2755, 0.2386

Protanopia

50.0249, 0.2522, 0.2468

Deuteranopia

49.6977, 0.2544, 0.2478



Tritanopia

49.6110, 0.3078, 0.3104

Trichromacy



Original Color

49.6637, 0.2755, 0.2386

Protanomaly

49.8515, 0.2600, 0.2438

Deuteranomaly

49.5016, 0.2612, 0.2438

Tritanomaly

49.4928, 0.2961, 0.2825

Monochromacy



Original Color

49.6637, 0.2755, 0.2386

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

50.7381, 0.2990, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6637, 0.2755, 0.2386 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(202, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 173, 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(202, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 173, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.6637, 0.2755, 0.2386 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(202, 173, 255) }
```

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

```
.border{ border-color:rgb(202, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 173,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6637, 0.2755, 0.2386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 173, 255) }
```

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

```
.background{ background-color: rgb(202,  
173, 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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