

Converting Colors

$Y_{xy}(47.6860, 0.2655, 0.2173)$

Have a look what the booklet for
Yxy(47.6860, 0.2655, 0.2173)
contains.

Yxy(46.6868, 0.2749, 0.2297)	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(46.6868, 0.2749, 0.2297)

Conversions

Conversions Part 1

Format	Color
Hex	CAA5FF
RGB	202, 165, 255
RGB Percent	79%, 65%, 100%
CMY	0.2077, 0.3530, 0.0000
CMYK	0.21, 0.35, 0.00, 0.00
HSL	265°, 100%, 82%
HSV	265°, 35%, 100%
XYZ	55.8738, 46.6868, 100.6906
YIQ	186.3230, -6.8380, 35.8340

Conversions

Conversions Part 2

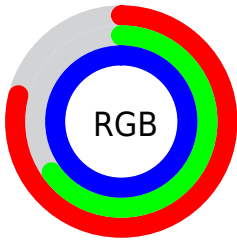
Format	Color
R _Y B	202, 165, 255
Decimal	13280767
CIE Lab	73.99, 30.97, -39.70
CIE LCh	74, 50.349, 307.956
Yxy	46.6868, 0.2749, 0.2297
Android (android.graphics.Color)	4291470847 (0xFFCAA5FF)
YUV	186.3230, 33.8578, 13.7487
Hunter-Lab	68.3277, 26.3916, -39.5428

Details

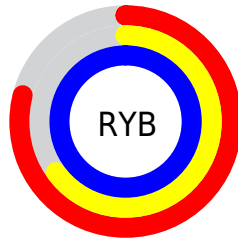
The Yxy color $46.6868, 0.2749, 0.2297$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $89.1315, 0.3409, 0.4252$, and the grayscale version is $49.1046, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.6664, 0.3143, 0.2950$, and $21.9985, 0.2633, 0.2072$ is the 20% darker color. If you saturate the color by 10%, you get $36.3962, 0.2610, 0.1985$, and if you desaturate by 10%, it is $59.0156, 0.2875, 0.2602$.

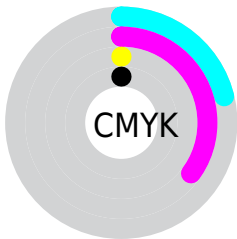
Distribution



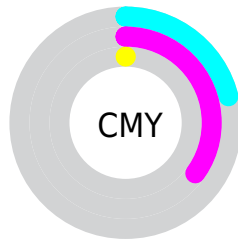
- Red (79%)
- Green (65%)
- Blue (100%)



- Red (79%)
- Yellow (65%)
- Blue (100%)



- Cyan (21%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6868, 0.2749, 0.2297 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 46.6868, 0.2749, 0.2297 by changing the saturation by 10% instead.


 46.6868, 0.2749,
0.2297

 46.6868, 0.2749,
0.2297


373.5630, 0.2944,
0.2754

 32.7881, 0.2700,
0.2195


 85.2459, 0.2820,
0.2454

 21.9642, 0.2638,
0.2070


 110.6752, 0.2847,
0.2516

 13.8306, 0.2557,
0.1916


140.7167, 0.2869,
0.2569

 8.0029, 0.2445,
0.1720

175.7550, 0.2888,
0.2615

 4.0968, 0.2288,
0.1466

216.1743, 0.2905,
0.2656

 1.7279, 0.2051,
0.1133

262.3592, 0.2919,

 0.4416, 0.1693,

0.2692

0.0612

314.6939, 0.2932,
0.2725

■ 0.0000, 0.0469,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.6868, 0.2749,
0.2297

■ 46.6868, 0.2749,
0.2297

■ 36.3962, 0.2610,
0.1985

■ 59.0156, 0.2875,
0.2602

■ 28.0268, 0.2461,
0.1679

■ 73.4870, 0.2986,
0.2891

■ 21.4518, 0.2307,
0.1395

■ 90.2000, 0.3082,
0.3158

■ 16.5280, 0.2157,
0.1150

100.0000, 0.3127,
0.3290

■ 13.0890, 0.2017,
0.0961

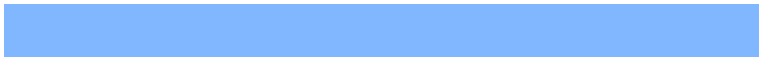
■ 10.9303, 0.1895,
0.0833

■ 10.2231, 0.1845,
0.0790

Harmonies

Analogous

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



46.6868, 0.2221, 0.2215



46.6868, 0.2749, 0.2297



46.6868, 0.3450, 0.2582

Triad

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



46.6868, 0.2749, 0.2297



46.6868, 0.4441, 0.4051



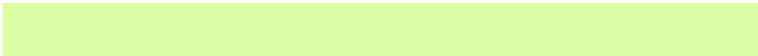
46.6868, 0.2191, 0.3483

Complementary

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



46.6868, 0.2749, 0.2297



89.1315, 0.3409, 0.4252

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.



46.6868, 0.2713, 0.4194



46.6868, 0.2749, 0.2297



46.6868, 0.4018, 0.4463

Square

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



46.6868, 0.2749, 0.2297



46.6868, 0.4496, 0.3532



46.6868, 0.3383, 0.4568



46.6868, 0.1927, 0.2803

Rectangle

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



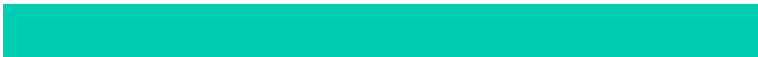
46.6868, 0.2749, 0.2297



46.6868, 0.3918, 0.2859



46.6868, 0.3383, 0.4568



46.6868, 0.2339, 0.3734

Sweetspot

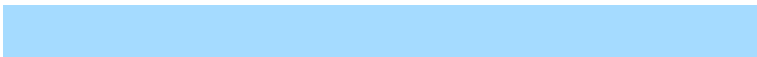
The Sweet Spot groups the original color and five complimentary colors.



46.6874, 0.2749, 0.2297



80.3946, 0.3029, 0.3009



65.8770, 0.2572, 0.2877



16.7320, 0.3016, 0.2972



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.



46.6874, 0.2749, 0.2297



39.5747, 0.2657, 0.2088



53.7167, 0.3096, 0.2392



17.7430, 0.3043, 0.3049



5.4241, 0.1862, 0.0799



0.5902, 0.1987, 0.0868

Inverse Universe

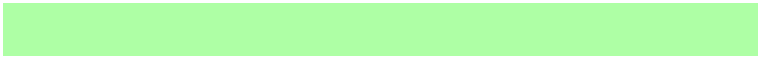
The Inverse Universe completely reimagines the original color for something new.



53.2227, 0.3479, 0.2750



47.1067, 0.3571, 0.2647



83.2329, 0.3130, 0.4341



18.1664, 0.3202, 0.3151



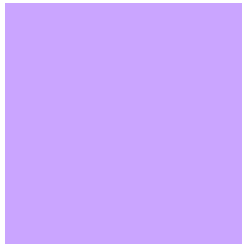
12.2899, 0.4593, 0.2304



1.2184, 0.4391, 0.2193

Previews

White Background



This preview shows how the Yxy color 46.6868, 0.2749, 0.2297 looks on a white background.

Color Contrast Check

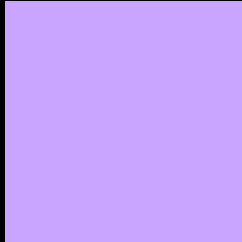
Large Text (above 18pt) WCAG AA × Fail

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 46.6868, 0.2749, 0.2297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

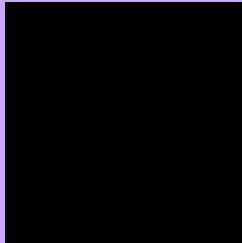
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6868, 0.2749, 0.2297

Background



This preview shows how black text looks on a background with the Yxy color 46.6868, 0.2749, 0.2297.



This preview shows how white text looks on a background with the Yxy color 46.6868, 0.2749, 0.2297.

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

46.6868, 0.2749, 0.2297

Protanopia

47.1316, 0.2464, 0.2395

Deuteranopia

47.0417, 0.2486, 0.2426



Tritanopia

46.7229, 0.3127, 0.3114

Trichromacy



Original Color

46.6868, 0.2749, 0.2297

Protanomaly

46.8786, 0.2559, 0.2359

Deuteranomaly

46.8658, 0.2577, 0.2380

Tritanomaly

46.3955, 0.2982, 0.2783

Monochromacy



Original Color

46.6868, 0.2749, 0.2297

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.7504, 0.2988, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6868, 0.2749, 0.2297 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, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 165, 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, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 165, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.6868, 0.2749, 0.2297 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, 165, 255) }
```

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

```
.border{ border-color:rgb(202, 165, 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, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 165,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6868, 0.2749, 0.2297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 165, 255) }
```

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

```
.background{ background-color: rgb(202,  
165, 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