

Converting Colors

Yxy(49.6784, 0.2496, 0.2047)

Have a look what the booklet for
Yxy(49.6784, 0.2496, 0.2047)
contains.

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Color

Yxy(47.4388, 0.2693, 0.2337)

Conversions

Conversions Part 1

Format	Color
Hex	C2AAFF
RGB	194, 170, 255
RGB Percent	76%, 67%, 100%
CMY	0.2394, 0.3333, 0.0000
CMYK	0.24, 0.33, 0.00, 0.00
HSL	257°, 100%, 83%
HSV	257°, 33%, 100%
XYZ	54.6652, 47.4388, 100.8861
YIQ	186.8660, -12.9810, 31.5230

Conversions

Conversions Part 2

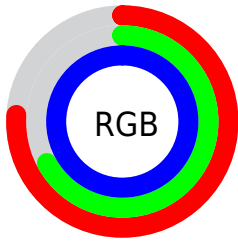
Format	Color
RYB	194, 170, 255
Decimal	12757759
CIELab	74.47, 25.85, -39.00
CIElCh	74, 46.789, 303.544
Yxy	47.4388, 0.2693, 0.2337
Android (android.graphics.Color)	4290947839 (0xFFC2AAFF)
YUV	186.8660, 33.5901, 6.2565
Hunter-Lab	68.8758, 21.1389, -38.6321

Details

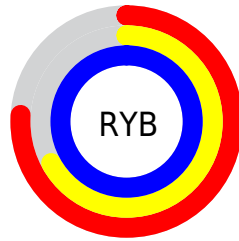
The Yxy color **47.4388, 0.2693, 0.2337** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **91.4215, 0.3468, 0.4173**, and the grayscale version is **49.4261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7659, 0.3120, 0.2997**, and **22.5231, 0.2573, 0.2121** is the 20% darker color. If you saturate the color by 10%, you get **36.5126, 0.2528, 0.2010**, and if you desaturate by 10%, it is **60.5210, 0.2843, 0.2651**.

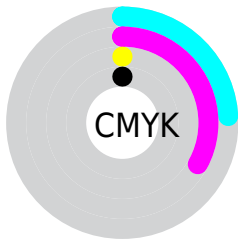
Distribution



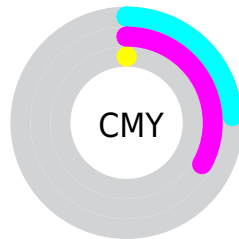
- Red (76%)
- Green (67%)
- Blue (100%)



- Red (76%)
- Yellow (67%)
- Blue (100%)



- Cyan (24%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4388, 0.2693, 0.2337 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 47.4388, 0.2693, 0.2337 by changing the saturation by 10% instead.


 47.4388, 0.2693,
0.2337

 47.4388, 0.2693,
0.2337


376.5633, 0.2912,
0.2778

 33.3827, 0.2639,
0.2238


 86.3682, 0.2772,
0.2489

 22.4198, 0.2571,
0.2117


112.0104, 0.2802,
0.2548

 14.1657, 0.2481,
0.1966


142.2833, 0.2828,
0.2600

 8.2360, 0.2361,
0.1774

177.5713, 0.2849,
0.2644

 4.2463, 0.2192,
0.1524

218.2590, 0.2868,
0.2684

 1.8123, 0.1943,
0.1192

264.7306, 0.2885,

 0.4948, 0.1567,

0.2719

0.0687

317.3706, 0.2899,
0.2750

0.0000, 0.0191,
0.0000

0.0000, 0.0000,
0.0000

47.4388, 0.2693,
0.2337

47.4388, 0.2693,
0.2337

36.5126, 0.2528,
0.2010

60.5210, 0.2843,
0.2651

27.6192, 0.2353,
0.1683

75.8636, 0.2976,
0.2943

20.6301, 0.2175,
0.1374

93.5700, 0.3092,
0.3208

15.3996, 0.2005,
0.1104

100.0000, 0.3127,
0.3290

■ 11.7601, 0.1853,
0.0892

■ 9.5093, 0.1729,
0.0750

■ 8.5917, 0.1664,
0.0690

Harmonies

Analogous

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



47.4388, 0.2229, 0.2293



47.4388, 0.2693, 0.2337



47.4388, 0.3329, 0.2579

Triad

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



47.4388, 0.2693, 0.2337



47.4388, 0.4379, 0.3941



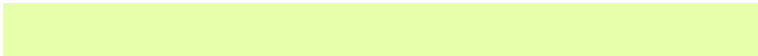
47.4388, 0.2316, 0.3573

Complementary

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



47.4388, 0.2693, 0.2337



91.4215, 0.3468, 0.4173

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.



47.4388, 0.2835, 0.4195



47.4388, 0.2693, 0.2337



47.4388, 0.4034, 0.4340

Square

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



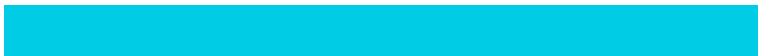
47.4388, 0.2693, 0.2337



47.4388, 0.4366, 0.3452



47.4388, 0.3465, 0.4478



47.4388, 0.2027, 0.2926

Rectangle

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



47.4388, 0.2693, 0.2337



47.4388, 0.3769, 0.2829



47.4388, 0.3465, 0.4478



47.4388, 0.2468, 0.3800

Sweetspot

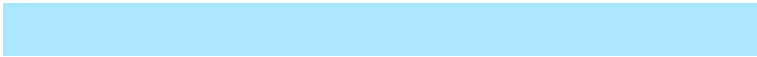
The Sweet Spot groups the original color and five complimentary colors.



47.4404, 0.2693, 0.2337



81.4860, 0.3017, 0.3034



73.6719, 0.2619, 0.3035



16.9260, 0.3000, 0.2996



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.



47.4404, 0.2693, 0.2337



39.9156, 0.2584, 0.2119



53.6675, 0.3008, 0.2419



17.6255, 0.3023, 0.3047



4.5536, 0.1678, 0.0698



0.4955, 0.1793, 0.0761

Inverse Universe

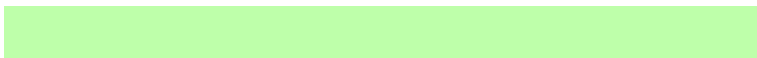
The Inverse Universe completely reimagines the original color for something new.



55.7890, 0.3359, 0.2675



49.5479, 0.3420, 0.2552



85.3505, 0.3200, 0.4253



18.2079, 0.3181, 0.3121



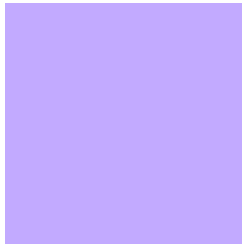
12.9255, 0.4080, 0.2021



1.2772, 0.3957, 0.1954

Previews

White Background



This preview shows how the Yxy color 47.4388, 0.2693, 0.2337 looks on a white background.

Color Contrast Check

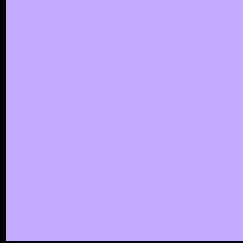
Large Text (above 18pt) WCAG AA × Fail

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 47.4388, 0.2693, 0.2337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

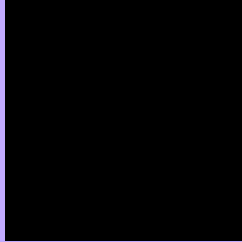
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4388, 0.2693, 0.2337

Background



This preview shows how black text looks on a background with the Yxy color 47.4388, 0.2693, 0.2337.



This preview shows how white text looks on a background with the Yxy color 47.4388, 0.2693, 0.2337.

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

47.4388, 0.2693, 0.2337

Protanopia

47.7413, 0.2478, 0.2411

Deuteranopia

47.7167, 0.2495, 0.2432



Tritanopia

47.5087, 0.3027, 0.3111

Trichromacy



Original Color

47.4388, 0.2693, 0.2337

Protanomaly

47.4349, 0.2548, 0.2380

Deuteranomaly

47.4843, 0.2560, 0.2391

Tritanomaly

47.4153, 0.2903, 0.2813

Monochromacy



Original Color

47.4388, 0.2693, 0.2337

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.7484, 0.2964, 0.2911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4388, 0.2693, 0.2337 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(194, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 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(194, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 170, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.4388, 0.2693, 0.2337 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(194, 170, 255) }
```

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

```
.border{ border-color:rgb(194, 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(194, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 170,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4388, 0.2693, 0.2337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 170, 255) }
```

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

```
.background{ background-color: rgb(194,  
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](#).

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