

Converting Colors

$Yxy(47.6914, 0.2830, 0.2437)$

Have a look what the booklet for
Yxy(47.6914, 0.2830, 0.2437)
contains.

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Color

Yxy(47.6650, 0.2827, 0.2436)

Conversions

Conversions Part 1

Format	Color
Hex	CBA9F5
RGB	203, 169, 245
RGB Percent	80%, 66%, 96%
CMY	0.2036, 0.3374, 0.0391
CMYK	0.17, 0.31, 0.00, 0.04
HSL	267°, 79%, 81%
HSV	267°, 31%, 96%
XYZ	55.3157, 47.6650, 92.6885
YIQ	187.8300, -4.1320, 30.8440

Conversions

Conversions Part 2

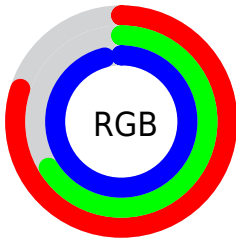
Format	Color
R _Y B	203, 169, 245
Decimal	13347317
CIE _{Lab}	74.61, 26.88, -33.32
CIE _{LCh}	75, 42.808, 308.894
Yxy	47.6650, 0.2827, 0.2436
Android (android.graphics.Color)	4291537397 (0xFFCBA9F5)
YUV	187.8300, 28.1848, 13.3041
Hunter-Lab	69.0398, 22.1969, -31.2711

Details

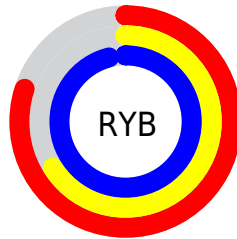
The Yxy color $47.6650, 0.2827, 0.2436$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $82.0190, 0.3358, 0.4132$, and the grayscale version is $50.0317, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.7913, 0.3141, 0.2989$, and $22.6493, 0.2743, 0.2247$ is the 20% darker color. If you saturate the color by 10%, you get $37.5741, 0.2702, 0.2130$, and if you desaturate by 10%, it is $59.6333, 0.2939, 0.2731$.

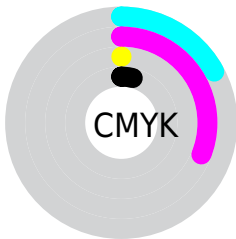
Distribution



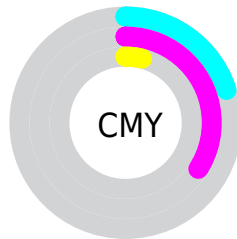
- Red (80%)
- Green (66%)
- Blue (96%)



- Red (80%)
- Yellow (66%)
- Blue (96%)



- Cyan (17%)
- Magenta (31%)
- Yellow (0%)
- Black (4%)




- Cyan (20%)
- Magenta (34%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6650, 0.2827, 0.2436 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 47.6650, 0.2827, 0.2436 by changing the saturation by 10% instead.


 47.6650, 0.2827,
0.2436


 47.6650, 0.2827,
0.2436


377.4627, 0.2982,
0.2833

 33.5617, 0.2788,
0.2346


 86.7054, 0.2884,
0.2574

 22.5571, 0.2738,
0.2235


 112.4113, 0.2905,
0.2627

 14.2668, 0.2672,
0.2095


142.7535, 0.2923,
0.2674

 8.3065, 0.2580,
0.1916

178.1163, 0.2938,
0.2714

 4.2917, 0.2448,
0.1678

218.8843, 0.2951,
0.2749

 1.8380, 0.2245,
0.1354

265.4418, 0.2963,

 0.5107, 0.1922,

0.2780

0.0833

318.1731, 0.2973,
0.2808

0.0000, 0.0455,
0.0000

0.0000, 0.0000,
0.0000

47.6650, 0.2827,
0.2436

47.6650, 0.2827,
0.2436

37.5741, 0.2702,
0.2130

59.6333, 0.2939,
0.2731

29.2549, 0.2566,
0.1826

73.5653, 0.3036,
0.3009

22.5999, 0.2422,
0.1536

89.5491, 0.3119,
0.3265

17.4871, 0.2277,
0.1279

99.3740, 0.3185,
0.3386

■ 13.7770, 0.2137,
0.1068

■ 11.3031, 0.2010,
0.0916

■ 9.9012, 0.1910,
0.0826

Harmonies

Analogous

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



47.6650, 0.2361, 0.2362



47.6650, 0.2827, 0.2436



47.6650, 0.3425, 0.2690

Triad

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



47.6650, 0.2827, 0.2436



47.6650, 0.4242, 0.3974



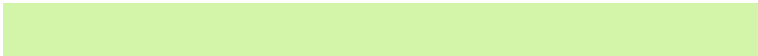
47.6650, 0.2318, 0.3440

Complementary

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



47.6650, 0.2827, 0.2436



82.0190, 0.3358, 0.4132

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.



47.6650, 0.2767, 0.4024



47.6650, 0.2827, 0.2436



47.6650, 0.3883, 0.4301

Square

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



47.6650, 0.2827, 0.2436



47.6650, 0.4289, 0.3530



47.6650, 0.3340, 0.4352



47.6650, 0.2090, 0.2873

Rectangle

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



47.6650, 0.2827, 0.2436



47.6650, 0.3814, 0.2937



47.6650, 0.3340, 0.4352



47.6650, 0.2447, 0.3646

Sweetspot

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



47.6670, 0.2827, 0.2436



83.8992, 0.3054, 0.3063



62.1467, 0.2636, 0.2904



17.4381, 0.3041, 0.3024



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.



47.6670, 0.2827, 0.2436



45.2785, 0.2753, 0.2252



53.4767, 0.3122, 0.2507



16.2905, 0.3050, 0.3050



5.4124, 0.1926, 0.0835



0.5357, 0.2065, 0.0911

Inverse Universe

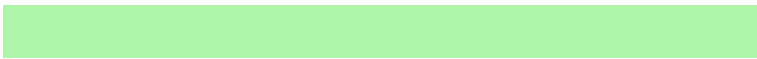
The Inverse Universe completely reimagines the original color for something new.



52.4814, 0.3448, 0.2846



51.4159, 0.3533, 0.2757



77.1857, 0.3115, 0.4198



16.6355, 0.3207, 0.3160



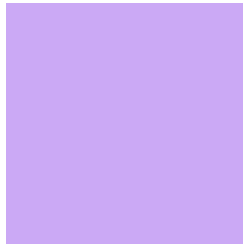
11.4306, 0.4742, 0.2386



1.0253, 0.4497, 0.2251

Previews

White Background



This preview shows how the Yxy color 47.6650, 0.2827, 0.2436 looks on a white background.

Color Contrast Check

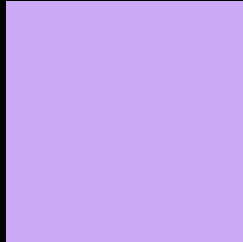
Large Text (above 18pt) WCAG AA × Fail

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 47.6650, 0.2827, 0.2436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

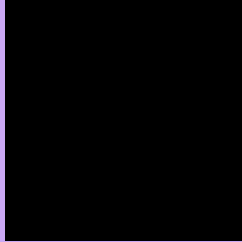
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6650, 0.2827, 0.2436

Background



This preview shows how black text looks on a background with the Yxy color 47.6650, 0.2827, 0.2436.



This preview shows how white text looks on a background with the Yxy color 47.6650, 0.2827, 0.2436.

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

47.6650, 0.2827, 0.2436

Protanopia

47.8849, 0.2496, 0.2423

Deuteranopia

47.9538, 0.2603, 0.2544



Tritanopia

47.5598, 0.3144, 0.3115

Trichromacy



Original Color

47.6650, 0.2827, 0.2436

Protanomaly

47.7564, 0.2605, 0.2427

Deuteranomaly

47.7997, 0.2675, 0.2502

Tritanomaly

47.2837, 0.3021, 0.2843

Monochromacy



Original Color

47.6650, 0.2827, 0.2436

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

48.9887, 0.3011, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6650, 0.2827, 0.2436 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(203, 169, 245)` looks like.

```
.text, #text, p{  
    color:rgb(203, 169, 245)  
}
```

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(203, 169, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 169, 245) }
```

Border

The CSS property to change the border of an element to Yxy 47.6650, 0.2827, 0.2436 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(203, 169, 245) }
```

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

```
.border{ border-color:rgb(203, 169, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 169, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 169, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 169, 245);  
box-shadow:4px 4px 4px 4px rgb(203, 169,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6650, 0.2827, 0.2436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 169, 245) }
```

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

```
.background{ background-color: rgb(203,  
169, 245) }
```

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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