

Converting Colors

$Yxy(41.9186, 0.2578, 0.2361)$

Have a look what the booklet for
Yxy(41.9186, 0.2578, 0.2361)
contains.

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Color

Yxy(42.0081, 0.2581, 0.2366)

Conversions

Conversions Part 1

Format	Color
Hex	A8A6F2
RGB	168, 166, 242
RGB Percent	66%, 65%, 95%
CMY	0.3409, 0.3491, 0.0509
CMYK	0.31, 0.31, 0.00, 0.05
HSL	242°, 75%, 80%
HSV	242°, 31%, 95%
XYZ	45.8254, 42.0081, 89.7155
YIQ	175.2620, -23.2040, 24.0600

Conversions

Conversions Part 2

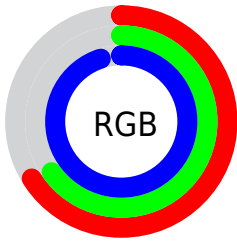
Format	Color
R _Y B	168, 166, 242
Decimal	11052786
CIE Lab	70.88, 17.60, -37.71
CIE LCh	71, 41.616, 295.016
Yxy	42.0081, 0.2581, 0.2366
Android (android.graphics.Color)	4289242866 (0xFFA8A6F2)
YUV	175.2620, 32.9018, -6.3688
Hunter-Lab	64.8137, 12.7815, -36.7001

Details

The Yxy color $42.0081, 0.2581, 0.2366$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $84.7838, 0.3587, 0.4079$, and the grayscale version is $42.8537, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.9405, 0.2939, 0.2939$, and $19.1572, 0.2425, 0.2129$ is the 20% darker color. If you saturate the color by 10%, you get $31.6695, 0.2372, 0.2016$, and if you desaturate by 10%, it is $54.4731, 0.2776, 0.2694$.

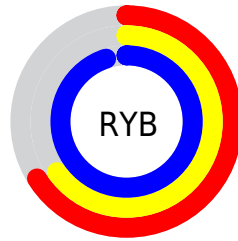
Distribution



Red (66%)

Green (65%)

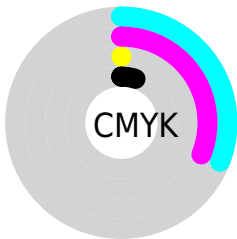
Blue (95%)



Red (66%)

Yellow (65%)

Blue (95%)

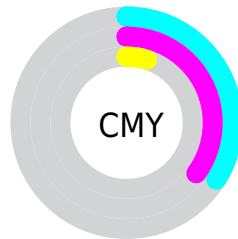


Cyan (31%)

Magenta (31%)

Yellow (0%)

Black (5%)



Cyan (34%)

Magenta (35%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0081, 0.2581, 0.2366 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 42.0081, 0.2581, 0.2366 by changing the saturation by 10% instead.

■ 42.0081, 0.2581,
0.2366

■ 42.0081, 0.2581,
0.2366

■ 354.5165, 0.2857,
0.2807

■ 29.1076, 0.2513,
0.2264

■ 78.2119, 0.2681,
0.2521

■ 19.1623, 0.2426,
0.2137

■ 102.2840, 0.2719,
0.2580

■ 11.7876, 0.2313,
0.1976

■ 130.8488, 0.2751,
0.2632

■ 6.5992, 0.2159,
0.1768

■ 164.2906, 0.2778,
0.2676

■ 3.2127, 0.1942,
0.1491

■ 202.9939, 0.2802,
0.2715

■ 1.2438, 0.1623,
0.1117

■ 247.3431, 0.2822,

■ 0.0970, 0.1116,

0.2749

0.0207


297.7225, 0.2841,
0.2780

 0.0000, 0.0000,
0.0000

 42.0081, 0.2581,
0.2366

 42.0081, 0.2581,
0.2366


 31.6695, 0.2372,
0.2016

 54.4731, 0.2776,
0.2694


 23.3340, 0.2158,
0.1660


 69.1686, 0.2952,
0.2992

 16.8733, 0.1953,
0.1320

 86.1981, 0.3107,
0.3255

 12.1423, 0.1773,
0.1026

 99.1922, 0.3203,
0.3415

 8.9746, 0.1633,
0.0801

■ 7.1710, 0.1544,
0.0661

■ 6.4552, 0.1506,
0.0603

Harmonies

Analogous

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



42.0081, 0.2204, 0.2387



42.0081, 0.2581, 0.2366



42.0081, 0.3140, 0.2544

Triad

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



42.0081, 0.2581, 0.2366



42.0081, 0.4324, 0.3780



42.0081, 0.2494, 0.3731

Complementary

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



42.0081, 0.2581, 0.2366



84.7838, 0.3587, 0.4079

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.



42.0081, 0.3023, 0.4236



42.0081, 0.2581, 0.2366



42.0081, 0.4093, 0.4184

Square

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



42.0081, 0.2581, 0.2366



42.0081, 0.4203, 0.3316



42.0081, 0.3610, 0.4388



42.0081, 0.2153, 0.3115

Rectangle

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



42.0081, 0.2581, 0.2366



42.0081, 0.3554, 0.2754



42.0081, 0.3610, 0.4388



42.0081, 0.2655, 0.3927

Sweetspot

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



42.0097, 0.2581, 0.2366



82.2315, 0.2991, 0.3058



77.2834, 0.2675, 0.3274



17.0300, 0.2967, 0.3018



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.



42.0097, 0.2581, 0.2366



39.2609, 0.2442, 0.2133



46.6943, 0.2864, 0.2435



15.2495, 0.2984, 0.3046



3.4766, 0.1509, 0.0605



0.2965, 0.1531, 0.0617

Inverse Universe

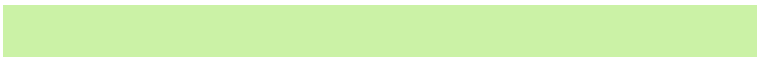
The Inverse Universe completely reimagines the original color for something new.



52.4332, 0.3181, 0.2528



52.7972, 0.3193, 0.2371



78.9300, 0.3324, 0.4152



16.0235, 0.3142, 0.3064



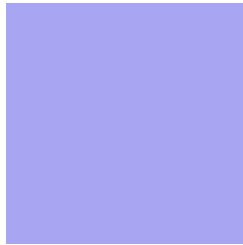
13.3773, 0.3279, 0.1580



1.1152, 0.3269, 0.1575

Previews

White Background



This preview shows how the Yxy color 42.0081, 0.2581, 0.2366 looks on a white background.

Color Contrast Check

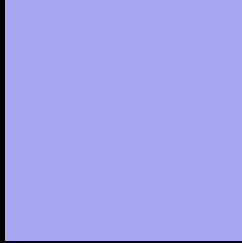
Large Text (above 18pt) WCAG AA × Fail

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 42.0081, 0.2581, 0.2366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

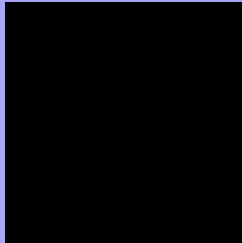
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0081, 0.2581, 0.2366

Background



This preview shows how black text looks on a background with the Yxy color 42.0081, 0.2581, 0.2366.



This preview shows how white text looks on a background with the Yxy color 42.0081, 0.2581, 0.2366.

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

42.0081, 0.2581, 0.2366

Protanopia

42.2637, 0.2444, 0.2360

Deuteranopia

42.0560, 0.2478, 0.2413



Tritanopia

41.9365, 0.2859, 0.3097

Trichromacy



Original Color

42.0081, 0.2581, 0.2366

Protanomaly

42.1366, 0.2492, 0.2356

Deuteranomaly

41.8949, 0.2515, 0.2396

Tritanomaly

41.6856, 0.2752, 0.2800

Monochromacy



Original Color

42.0081, 0.2581, 0.2366

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.3992, 0.2912, 0.2935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0081, 0.2581, 0.2366 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(168, 166, 242)` looks like.

```
.text, #text, p{  
    color:rgb(168, 166, 242)  
}
```

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(168, 166, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 166, 242) }
```

Border

The CSS property to change the border of an element to Yxy 42.0081, 0.2581, 0.2366 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(168, 166, 242) }
```

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

```
.border{ border-color:rgb(168, 166, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 166, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 166, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 166, 242);  
box-shadow:4px 4px 4px 4px rgb(168, 166,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0081, 0.2581, 0.2366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 166, 242) }
```

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

```
.background{ background-color: rgb(168,  
166, 242) }
```

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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