

Converting Colors

Yxy(46.3547, 0.2680, 0.2482)

Have a look what the booklet for
Yxy(46.3547, 0.2680, 0.2482)
contains.

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Color

Yxy(46.3862, 0.2677, 0.2485)

Conversions

Conversions Part 1

Format	Color
Hex	B4AEF2
RGB	180, 174, 242
RGB Percent	71%, 68%, 95%
CMY	0.2944, 0.3175, 0.0511
CMYK	0.26, 0.28, 0.00, 0.05
HSL	245°, 72%, 82%
HSV	245°, 28%, 95%
XYZ	49.9702, 46.3862, 90.3084
YIQ	183.5460, -18.2520, 22.4200

Conversions

Conversions Part 2

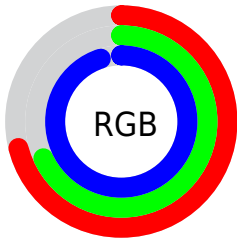
Format	Color
R _Y B	180, 174, 242
Decimal	11841266
CIE Lab	73.80, 16.50, -33.09
CIE LCh	74, 36.976, 296.498
Yxy	46.3862, 0.2677, 0.2485
Android (android.graphics.Color)	4290031346 (0xFFB4AEF2)
YUV	183.5460, 28.8178, -3.1098
Hunter-Lab	68.1074, 11.7768, -30.9416

Details

The Yxy color $46.3862, 0.2677, 0.2485$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $84.3972, 0.3510, 0.4003$, and the grayscale version is $47.5114, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.2631, 0.3019, 0.3029$, and $21.8999, 0.2552, 0.2288$ is the 20% darker color. If you saturate the color by 10%, you get $35.4207, 0.2482, 0.2146$, and if you desaturate by 10%, it is $59.4623, 0.2855, 0.2800$.

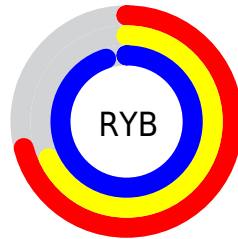
Distribution



Red (71%)

Green (68%)

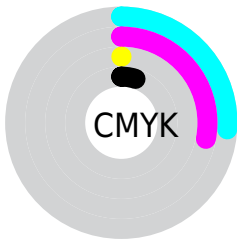
Blue (95%)



Red (71%)

Yellow (68%)

Blue (95%)

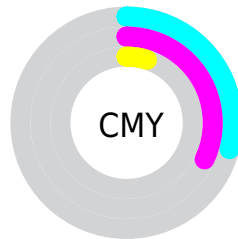


Cyan (26%)

Magenta (28%)

Yellow (0%)

Black (5%)



Cyan (29%)

Magenta (32%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3862, 0.2677, 0.2485 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 46.3862, 0.2677, 0.2485 by changing the saturation by 10% instead.

■ 46.3862, 0.2677,
0.2485

■ 46.3862, 0.2677,
0.2485

372.3591, 0.2902,
0.2867

■ 32.5507, 0.2622,
0.2397

■ 84.7967, 0.2758,
0.2619

■ 21.7825, 0.2551,
0.2287

110.1404, 0.2789,
0.2670

■ 13.6971, 0.2460,
0.2148

140.0891, 0.2815,
0.2715

■ 7.9103, 0.2335,
0.1968

175.0270, 0.2838,
0.2753

■ 4.0376, 0.2159,
0.1725

215.3385, 0.2857,
0.2787

■ 1.6946, 0.1896,
0.1388

261.4082, 0.2874,

■ 0.4202, 0.1497,

0.2816

0.0784

313.6202, 0.2889,
0.2843

0.0000, 0.0000,
0.0000

46.3862, 0.2677,
0.2485

46.3862, 0.2677,
0.2485

35.4207, 0.2482,
0.2146

59.4623, 0.2855,
0.2800

26.4498, 0.2277,
0.1795

74.7459, 0.3014,
0.3084

19.3549, 0.2072,
0.1453

92.3345, 0.3152,
0.3336

14.0023, 0.1882,
0.1143

99.1897, 0.3203,
0.3415

10.2408, 0.1721,
0.0891

■ 7.8932, 0.1603,
0.0717

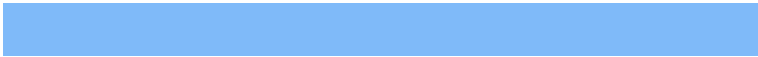
■ 6.7203, 0.1531,
0.0624

■ 6.5692, 0.1522,
0.0612

Harmonies

Analogous

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



46.3862, 0.2334, 0.2499



46.3862, 0.2677, 0.2485



46.3862, 0.3169, 0.2649

Triad

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



46.3862, 0.2677, 0.2485



46.3862, 0.4156, 0.3748



46.3862, 0.2563, 0.3642

Complementary

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



46.3862, 0.2677, 0.2485



84.3972, 0.3510, 0.4003

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.



46.3862, 0.3020, 0.4076



46.3862, 0.2677, 0.2485



46.3862, 0.3951, 0.4085

Square

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



46.3862, 0.2677, 0.2485



46.3862, 0.4063, 0.3342



46.3862, 0.3529, 0.4231



46.3862, 0.2270, 0.3123

Rectangle

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



46.3862, 0.2677, 0.2485



46.3862, 0.3523, 0.2839



46.3862, 0.3529, 0.4231



46.3862, 0.2701, 0.3808

Sweetspot

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



46.3880, 0.2677, 0.2485



84.3043, 0.3015, 0.3086



75.5862, 0.2712, 0.3225



17.4531, 0.2992, 0.3045



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.



46.3880, 0.2677, 0.2485



44.5460, 0.2562, 0.2283



50.9396, 0.2933, 0.2541



15.2943, 0.2993, 0.3047



3.5535, 0.1528, 0.0616



0.3179, 0.1596, 0.0653

Inverse Universe

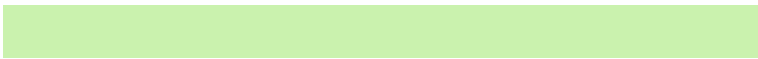
The Inverse Universe completely reimagines the original color for something new.



55.2185, 0.3206, 0.2646



56.1209, 0.3226, 0.2509



79.1546, 0.3274, 0.4060



16.0064, 0.3151, 0.3077



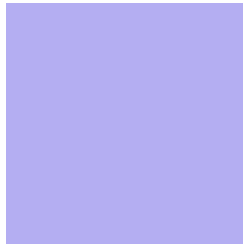
12.9556, 0.3440, 0.1669



1.0847, 0.3406, 0.1650

Previews

White Background



This preview shows how the Yxy color 46.3862, 0.2677, 0.2485 looks on a white background.

Color Contrast Check

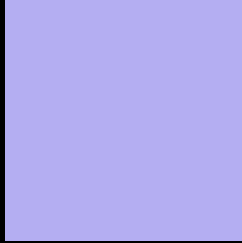
Large Text (above 18pt) WCAG AA × Fail

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 46.3862, 0.2677, 0.2485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

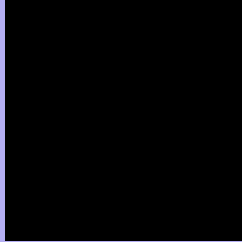
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3862, 0.2677, 0.2485

Background



This preview shows how black text looks on a background with the Yxy color 46.3862, 0.2677, 0.2485.



This preview shows how white text looks on a background with the Yxy color 46.3862, 0.2677, 0.2485.

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

46.3862, 0.2677, 0.2485

Protanopia

46.5754, 0.2536, 0.2479

Deuteranopia

46.2987, 0.2590, 0.2523



Tritanopia

46.5561, 0.2923, 0.3107

Trichromacy



Original Color

46.3862, 0.2677, 0.2485

Protanomaly

46.4719, 0.2586, 0.2474

Deuteranomaly

46.4531, 0.2623, 0.2518

Tritanomaly

46.4453, 0.2831, 0.2872

Monochromacy



Original Color

46.3862, 0.2677, 0.2485

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.1176, 0.2959, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3862, 0.2677, 0.2485 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(180, 174, 242)` looks like.

```
.text, #text, p{  
    color:rgb(180, 174, 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(180, 174, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 174, 242) }
```

Border

The CSS property to change the border of an element to Yxy 46.3862, 0.2677, 0.2485 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(180, 174, 242) }
```

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

```
.border{ border-color:rgb(180, 174, 242) }
```

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

Here you see how a box with a 4 pixel rgb(180, 174, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 174, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 174, 242);  
box-shadow:4px 4px 4px 4px rgb(180, 174,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3862, 0.2677, 0.2485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 174, 242) }
```

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

```
.background{ background-color: rgb(180,  
174, 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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