

Converting Colors

$Yxy(42.6519, 0.2665, 0.2581)$

Have a look what the booklet for
Yxy(42.6519, 0.2665, 0.2581)
contains.

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Color

Yxy(42.7789, 0.2667, 0.2584)

Conversions

Conversions Part 1

Format	Color
Hex	A6ABE3
RGB	166, 171, 227
RGB Percent	65%, 67%, 89%
CMY	0.3491, 0.3294, 0.1097
CMYK	0.27, 0.25, 0.00, 0.11
HSL	235°, 52%, 77%
HSV	235°, 27%, 89%
XYZ	44.1530, 42.7789, 78.6211
YIQ	175.8890, -20.9560, 16.3560

Conversions

Conversions Part 2

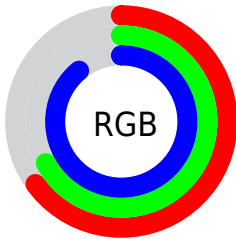
Format	Color
RYB	166, 171, 227
Decimal	10922979
CIELab	71.40, 10.49, -28.73
CIElCh	71, 30.586, 290.064
Yxy	42.7789, 0.2667, 0.2584
Android (android.graphics.Color)	4289113059 (0xFFA6ABE3)
YUV	175.8890, 25.1977, -8.6727
Hunter-Lab	65.4056, 6.0393, -25.4860

Details

The Yxy color $42.7789, 0.2667, 0.2584$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $71.3291, 0.3546, 0.3910$, and the grayscale version is $43.2295, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.1423, 0.2921, 0.2990$, and $19.6446, 0.2543, 0.2407$ is the 20% darker color. If you saturate the color by 10%, you get $33.2801, 0.2467, 0.2269$, and if you desaturate by 10%, it is $53.9545, 0.2853, 0.2873$.

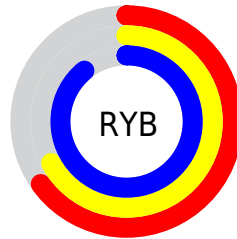
Distribution



Red (65%)

Green (67%)

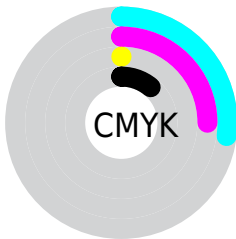
Blue (89%)



Red (65%)

Yellow (67%)

Blue (89%)

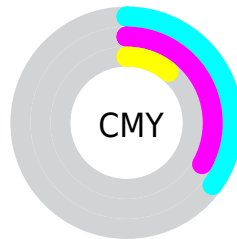


Cyan (27%)

Magenta (25%)

Yellow (0%)

Black (11%)



Cyan (35%)

Magenta (33%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7789, 0.2667, 0.2584 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 42.7789, 0.2667, 0.2584 by changing the saturation by 10% instead.

■ 42.7789, 0.2667,
0.2584

■ 42.7789, 0.2667,
0.2584

■ 357.7017, 0.2899,
0.2928

■ 29.7117, 0.2609,
0.2502

■ 79.3771, 0.2751,
0.2706

■ 19.6198, 0.2536,
0.2398

■ 103.6769, 0.2783,
0.2753

■ 12.1190, 0.2438,
0.2265

■ 132.4896, 0.2810,
0.2793

■ 6.8248, 0.2305,
0.2087

■ 166.1997, 0.2833,
0.2827

■ 3.3528, 0.2112,
0.1839

■ 205.1916, 0.2853,
0.2857

■ 1.3186, 0.1816,
0.1481

■ 249.8496, 0.2870,

■ 0.1555, 0.1218,

0.2884

0.0469

300.5582, 0.2885,
0.2907

0.0000, 0.0000,
0.0000

42.7789, 0.2667,
0.2584

42.7789, 0.2667,
0.2584

33.2801, 0.2467,
0.2269

53.9545, 0.2853,
0.2873

25.3722, 0.2259,
0.1937

66.8771, 0.3022,
0.3131

18.9696, 0.2054,
0.1603

81.6190, 0.3172,
0.3357

13.9764, 0.1865,
0.1288

97.9059, 0.3292,
0.3555

10.2856, 0.1708,
0.1015

98.3275, 0.3291,
0.3562

■ 7.7747, 0.1593,
0.0805

■ 6.2959, 0.1526,
0.0672

■ 6.0031, 0.1512,
0.0644

Harmonies

Analogous

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



42.7789, 0.2403, 0.2637



42.7789, 0.2667, 0.2584



42.7789, 0.3069, 0.2694

Triad

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



42.7789, 0.2667, 0.2584



42.7789, 0.4007, 0.3620



42.7789, 0.2723, 0.3678

Complementary

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



42.7789, 0.2667, 0.2584



71.3291, 0.3546, 0.3910

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.



42.7789, 0.3135, 0.4000



42.7789, 0.2667, 0.2584



42.7789, 0.3888, 0.3924

Square

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



42.7789, 0.2667, 0.2584



42.7789, 0.3870, 0.3266



42.7789, 0.3564, 0.4081



42.7789, 0.2431, 0.3245

Rectangle

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



42.7789, 0.2667, 0.2584



42.7789, 0.3371, 0.2844



42.7789, 0.3564, 0.4081



42.7789, 0.2851, 0.3806

Sweetspot

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



42.7806, 0.2667, 0.2584



84.9665, 0.3003, 0.3102



68.3277, 0.2764, 0.3350



17.6180, 0.2979, 0.3065



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.



42.7806, 0.2667, 0.2584



48.8411, 0.2562, 0.2419



43.9426, 0.2860, 0.2560



14.0769, 0.2980, 0.3067



3.5677, 0.1515, 0.0655



0.3302, 0.1555, 0.0799

Inverse Universe

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



46.5405, 0.3659, 0.3233



54.6010, 0.3806, 0.3221



70.2042, 0.3342, 0.4004



14.3872, 0.3280, 0.3271



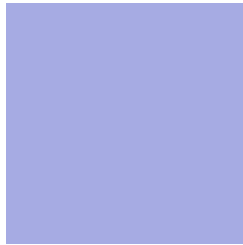
9.5579, 0.6307, 0.3248



0.7130, 0.6072, 0.3119

Previews

White Background



This preview shows how the Yxy color 42.7789, 0.2667, 0.2584 looks on a white background.

Color Contrast Check

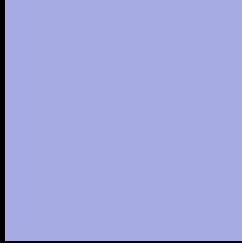
Large Text (above 18pt) WCAG AA × Fail

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 42.7789, 0.2667, 0.2584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

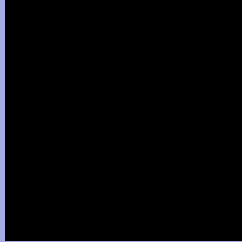
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7789, 0.2667, 0.2584

Background



This preview shows how black text looks on a background with the Yxy color 42.7789, 0.2667, 0.2584.



This preview shows how white text looks on a background with the Yxy color 42.7789, 0.2667, 0.2584.

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

42.7789, 0.2667, 0.2584

Protanopia

42.9622, 0.2620, 0.2591

Deuteranopia

42.9436, 0.2654, 0.2595



Tritanopia

43.0175, 0.2862, 0.3099

Trichromacy



Original Color

42.7789, 0.2667, 0.2584

Protanomaly

42.7879, 0.2633, 0.2581

Deuteranomaly

43.0504, 0.2661, 0.2596

Tritanomaly

42.7491, 0.2790, 0.2892

Monochromacy



Original Color

42.7789, 0.2667, 0.2584

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.9829, 0.2943, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7789, 0.2667, 0.2584 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(166, 171, 227)` looks like.

```
.text, #text, p{  
    color:rgb(166, 171, 227)  
}
```

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(166, 171, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 171, 227) }
```

Border

The CSS property to change the border of an element to Yxy 42.7789, 0.2667, 0.2584 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(166, 171, 227) }
```

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

```
.border{ border-color:rgb(166, 171, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 171, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 171, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 171, 227);  
box-shadow:4px 4px 4px 4px rgb(166, 171,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7789, 0.2667, 0.2584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 171, 227) }
```

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

```
.background{ background-color: rgb(166,  
171, 227) }
```

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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