

Converting Colors

$Y_{xy}(41.8410, 0.2671, 0.2777)$

Have a look what the booklet for
Yxy(41.8410, 0.2671, 0.2777)
contains.

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Color

Yxy(41.8485, 0.2667, 0.2771)

Conversions

Conversions Part 1

Format	Color
Hex	99AED5
RGB	153, 174, 213
RGB Percent	60%, 68%, 84%
CMY	0.4001, 0.3176, 0.1648
CMYK	0.28, 0.18, 0.00, 0.16
HSL	219°, 42%, 72%
HSV	219°, 28%, 84%
XYZ	40.2779, 41.8485, 68.8967
YIQ	172.1670, -25.0350, 7.6770

Conversions

Conversions Part 2

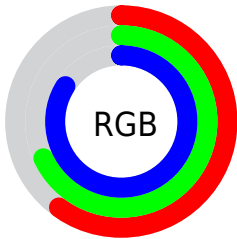
Format	Color
R _Y B	153, 169, 213
Decimal	10071765
CIE Lab	70.77, 1.57, -22.11
CIE LCh	71, 22.161, 274.055
Yxy	41.8485, 0.2667, 0.2771
Android (android.graphics.Color)	4288261845 (0xFF99AED5)
YUV	172.1670, 20.1307, -16.8095
Hunter-Lab	64.6904, -2.0697, -17.8619

Details

The Yxy color **41.8485, 0.2667, 0.2771** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.1208, 0.3613, 0.3759**, and the grayscale version is **41.2480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6685, 0.2834, 0.3014**, and **19.0970, 0.2534, 0.2632** is the 20% darker color. If you saturate the color by 10%, you get **34.8869, 0.2490, 0.2549**, and if you desaturate by 10%, it is **49.7337, 0.2839, 0.2974**.

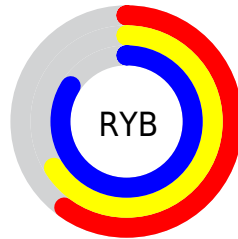
Distribution



Red (60%)

Green (68%)

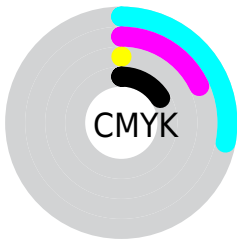
Blue (84%)



Red (60%)

Yellow (66%)

Blue (84%)

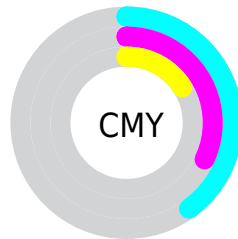


Cyan (28%)

Magenta (18%)

Yellow (0%)

Black (16%)



Cyan (40%)

Magenta (32%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8485, 0.2667, 0.2771 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 41.8485, 0.2667, 0.2771 by changing the saturation by 10% instead.

■ 41.8485, 0.2667,
0.2771

■ 41.8485, 0.2667,
0.2771

■ 353.8545, 0.2898,
0.3031

■ 28.9827, 0.2609,
0.2707

■ 77.9703, 0.2751,
0.2865

■ 19.0677, 0.2535,
0.2624

■ 101.9950, 0.2783,
0.2900

■ 11.7192, 0.2438,
0.2516

■ 130.5082, 0.2809,
0.2930

■ 6.5528, 0.2302,
0.2367

■ 163.8943, 0.2832,
0.2956

■ 3.1840, 0.2105,
0.2150

■ 202.5375, 0.2852,
0.2979

■ 1.2286, 0.1795,
0.1814

■ 246.8224, 0.2869,

■ 0.0848, 0.0591,

0.2998

0.0422

297.1332, 0.2885,
0.3015

0.0000, 0.0000,
0.0000

41.8485, 0.2667,
0.2771

41.8485, 0.2667,
0.2771

34.8869, 0.2490,
0.2549

49.7337, 0.2839,
0.2974

28.8077, 0.2313,
0.2312

58.5717, 0.3002,
0.3156

23.5737, 0.2141,
0.2064

68.3963, 0.3154,
0.3318

19.1427, 0.1982,
0.1813

79.2382, 0.3295,
0.3461

15.4682, 0.1845,
0.1568

90.2692, 0.3394,
0.3589

■ 12.4976, 0.1734,
0.1342

■ 97.5835, 0.3376,
0.3701

■ 10.1622, 0.1654,
0.1142

■ 9.7901, 0.1641,
0.1108

Harmonies

Analogous

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



41.8485, 0.2537, 0.2888



41.8485, 0.2667, 0.2771



41.8485, 0.2921, 0.2786

Triad

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



41.8485, 0.2667, 0.2771



41.8485, 0.3736, 0.3405



41.8485, 0.2990, 0.3708

Complementary

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



41.8485, 0.2667, 0.2771



54.1208, 0.3613, 0.3759

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.



41.8485, 0.3311, 0.3855



41.8485, 0.2667, 0.2771



41.8485, 0.3752, 0.3656

Square

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



41.8485, 0.2667, 0.2771



41.8485, 0.3546, 0.3141



41.8485, 0.3593, 0.3828



41.8485, 0.2716, 0.3430

Rectangle

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



41.8485, 0.2667, 0.2771



41.8485, 0.3132, 0.2864



41.8485, 0.3593, 0.3828



41.8485, 0.3096, 0.3775

Sweetspot

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



41.8502, 0.2667, 0.2771



88.1704, 0.3003, 0.3158



58.1131, 0.2851, 0.3576



18.4193, 0.2979, 0.3131



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.



41.8502, 0.2667, 0.2771



56.2834, 0.2558, 0.2636



35.1522, 0.2702, 0.2494



12.7137, 0.2982, 0.3134



6.1549, 0.1648, 0.1134



0.5242, 0.1746, 0.1486

Inverse Universe

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



39.9749, 0.3527, 0.3034



53.4854, 0.3647, 0.2975



62.8587, 0.3486, 0.4005



12.4920, 0.3237, 0.3209



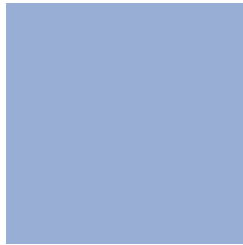
8.9662, 0.5561, 0.2837



0.5562, 0.5078, 0.2571

Previews

White Background



This preview shows how the Yxy color 41.8485, 0.2667, 0.2771 looks on a white background.

Color Contrast Check

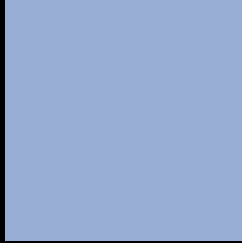
Large Text (above 18pt) WCAG AA × Fail

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 41.8485, 0.2667, 0.2771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

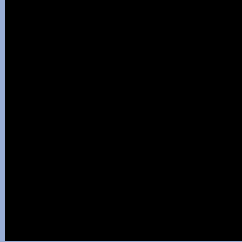
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

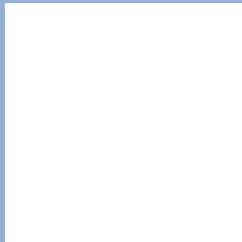
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8485, 0.2667, 0.2771

Background



This preview shows how black text looks on a background with the Yxy color 41.8485, 0.2667, 0.2771.



This preview shows how white text looks on a background with the Yxy color 41.8485, 0.2667, 0.2771.

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

41.8485, 0.2667, 0.2771

Protanopia

41.7215, 0.2760, 0.2766

Deuteranopia

41.6660, 0.2776, 0.2710



Tritanopia

42.0361, 0.2785, 0.3094

Trichromacy



Original Color

41.8485, 0.2667, 0.2771

Protanomaly

41.7321, 0.2723, 0.2763

Deuteranomaly

41.7674, 0.2731, 0.2729

Tritanomaly

42.0984, 0.2736, 0.2974

Monochromacy



Original Color

41.8485, 0.2667, 0.2771

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.4743, 0.2946, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8485, 0.2667, 0.2771 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(153, 174, 213)` looks like.

```
.text, #text, p{  
    color:rgb(153, 174, 213)  
}
```

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(153, 174, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 174, 213) }
```

Border

The CSS property to change the border of an element to Yxy 41.8485, 0.2667, 0.2771 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(153, 174, 213) }
```

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

```
.border{ border-color:rgb(153, 174, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 174, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 174, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 174, 213);  
box-shadow:4px 4px 4px 4px rgb(153, 174,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8485, 0.2667, 0.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 174, 213) }
```

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

```
.background{ background-color: rgb(153,  
174, 213) }
```

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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