

Converting Colors

$Y_{xy}(42.3840, 0.2654, 0.2586)$

Have a look what the booklet for
Yxy(42.3840, 0.2654, 0.2586)
contains.

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Color

Yxy(42.5093, 0.2659, 0.2593)

Conversions

Conversions Part 1

Format	Color
Hex	A4ABE2
RGB	164, 171, 226
RGB Percent	64%, 67%, 89%
CMY	0.3570, 0.3293, 0.1138
CMYK	0.27, 0.24, 0.00, 0.11
HSL	233°, 52%, 76%
HSV	233°, 27%, 89%
XYZ	43.5913, 42.5093, 77.8381
YIQ	175.1770, -21.8270, 15.6210

Conversions

Conversions Part 2

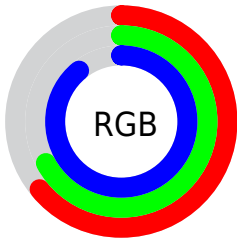
Format	Color
RYB	164, 170, 226
Decimal	10791906
CIELab	71.22, 9.64, -28.45
CIElCh	71, 30.038, 288.714
Yxy	42.5093, 0.2659, 0.2593
Android (android.graphics.Color)	4288981986 (0xFFA4ABE2)
YUV	175.1770, 25.0557, -9.8022
Hunter-Lab	65.1992, 5.2442, -25.1440

Details

The Yxy color **42.5093, 0.2659, 0.2593** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **69.4642, 0.3560, 0.3902**, and the grayscale version is **42.8404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8284, 0.2908, 0.2988**, and **19.4754, 0.2532, 0.2416** is the 20% darker color. If you saturate the color by 10%, you get **33.3149, 0.2461, 0.2288**, and if you desaturate by 10%, it is **53.2805, 0.2844, 0.2873**.

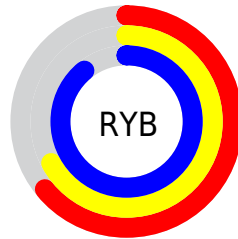
Distribution



Red (64%)

Green (67%)

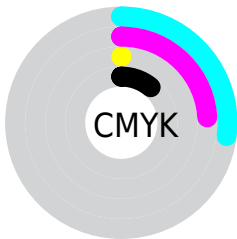
Blue (89%)



Red (64%)

Yellow (67%)

Blue (89%)

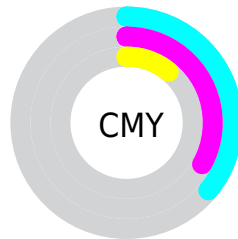


Cyan (27%)

Magenta (24%)

Yellow (0%)

Black (11%)



Cyan (36%)

Magenta (33%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5093, 0.2659, 0.2593 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 42.5093, 0.2659, 0.2593 by changing the saturation by 10% instead.

■ 42.5093, 0.2659,
0.2593

■ 42.5093, 0.2659,
0.2593

■ 356.5899, 0.2895,
0.2933

■ 29.5003, 0.2600,
0.2511

■ 78.9698, 0.2745,
0.2714

■ 19.4596, 0.2525,
0.2408

■ 103.1902, 0.2777,
0.2761

■ 12.0028, 0.2426,
0.2275

■ 131.9164, 0.2804,
0.2800

■ 6.7456, 0.2290,
0.2098

■ 165.5329, 0.2828,
0.2834

■ 3.3035, 0.2094,
0.1850

■ 204.4242, 0.2848,
0.2864

■ 1.2922, 0.1793,
0.1489

■ 248.9744, 0.2865,

■ 0.1351, 0.1146,

0.2890

0.0426

299.5682, 0.2881,
0.2913

0.0000, 0.0000,
0.0000

42.5093, 0.2659,
0.2593

42.5093, 0.2659,
0.2593

33.3149, 0.2461,
0.2288

53.2805, 0.2844,
0.2873

25.6182, 0.2256,
0.1965

65.6925, 0.3013,
0.3123

19.3409, 0.2055,
0.1639

79.8120, 0.3164,
0.3344

14.3954, 0.1870,
0.1329

95.7004, 0.3298,
0.3536

10.6843, 0.1715,
0.1057

98.2694, 0.3298,
0.3572

■ 8.0968, 0.1600,
0.0842

■ 6.4978, 0.1532,
0.0697

■ 6.2151, 0.1520,
0.0671

Harmonies

Analogous

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



42.5093, 0.2405, 0.2653



42.5093, 0.2659, 0.2593



42.5093, 0.3051, 0.2695

Triad

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



42.5093, 0.2659, 0.2593



42.5093, 0.3993, 0.3601



42.5093, 0.2746, 0.3690

Complementary

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



42.5093, 0.2659, 0.2593



69.4642, 0.3560, 0.3902

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.



42.5093, 0.3155, 0.3997



42.5093, 0.2659, 0.2593



42.5093, 0.3887, 0.3903

Square

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



42.5093, 0.2659, 0.2593



42.5093, 0.3846, 0.3251



42.5093, 0.3575, 0.4066



42.5093, 0.2451, 0.3265

Rectangle

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



42.5093, 0.2659, 0.2593



42.5093, 0.3347, 0.2839



42.5093, 0.3575, 0.4066



42.5093, 0.2874, 0.3813

Sweetspot

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



42.5110, 0.2659, 0.2593



85.3364, 0.3003, 0.3109



67.3669, 0.2769, 0.3376



17.7103, 0.2979, 0.3072



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.



42.5110, 0.2659, 0.2593



48.6739, 0.2546, 0.2419



42.6858, 0.2837, 0.2541



13.4930, 0.2981, 0.3075



3.6334, 0.1524, 0.0685



0.3368, 0.1578, 0.0882

Inverse Universe

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



45.6438, 0.3654, 0.3209



53.6417, 0.3811, 0.3191



69.6413, 0.3362, 0.4016



13.7258, 0.3274, 0.3264



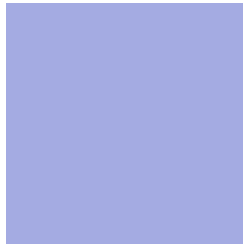
9.2748, 0.6257, 0.3221



0.6515, 0.5940, 0.3046

Previews

White Background



This preview shows how the Yxy color 42.5093, 0.2659, 0.2593 looks on a white background.

Color Contrast Check

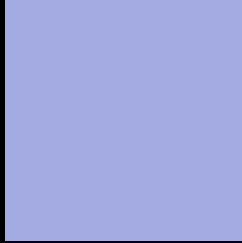
Large Text (above 18pt) WCAG AA × Fail

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 42.5093, 0.2659, 0.2593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

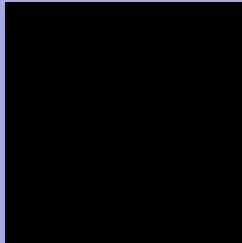
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5093, 0.2659, 0.2593

Background



This preview shows how black text looks on a background with the Yxy color 42.5093, 0.2659, 0.2593.



This preview shows how white text looks on a background with the Yxy color 42.5093, 0.2659, 0.2593.

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

42.5093, 0.2659, 0.2593

Protanopia

42.5247, 0.2625, 0.2589

Deuteranopia

42.4033, 0.2652, 0.2591



Tritanopia

42.3740, 0.2853, 0.3097

Trichromacy



Original Color

42.5093, 0.2659, 0.2593

Protanomaly

42.6282, 0.2632, 0.2590

Deuteranomaly

42.4033, 0.2652, 0.2591

Tritanomaly

42.4932, 0.2782, 0.2903

Monochromacy



Original Color

42.5093, 0.2659, 0.2593

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.8251, 0.2943, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5093, 0.2659, 0.2593 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(164, 171, 226)` looks like.

```
.text, #text, p{  
    color:rgb(164, 171, 226)  
}
```

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(164, 171, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 171, 226) }
```

Border

The CSS property to change the border of an element to Yxy 42.5093, 0.2659, 0.2593 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(164, 171, 226) }
```

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

```
.border{ border-color:rgb(164, 171, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 171, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 171, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 171, 226);  
box-shadow:4px 4px 4px 4px rgb(164, 171,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5093, 0.2659, 0.2593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 171, 226) }
```

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

```
.background{ background-color: rgb(164,  
171, 226) }
```

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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