

Converting Colors

$Yxy(49.3659, 0.2767, 0.2877)$

Have a look what the booklet for
Yxy(49.3659, 0.2767, 0.2877)
contains.

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Color

Yxy(49.3659, 0.2767, 0.2877)

Conversions

Conversions Part 1

Format	Color
Hex	ABBBDC
RGB	171, 187, 220
RGB Percent	67%, 73%, 86%
CMY	0.3295, 0.2666, 0.1372
CMYK	0.22, 0.15, 0.00, 0.14
HSL	220°, 41%, 77%
HSV	220°, 22%, 86%
XYZ	47.4784, 49.3659, 74.7438
YIQ	185.9780, -20.1290, 6.8710

Conversions

Conversions Part 2

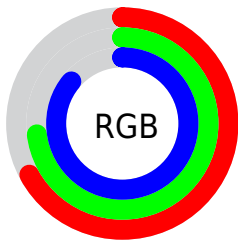
Format	Color
RYB	171, 183, 220
Decimal	11254748
CIELab	75.68, 1.56, -18.36
CIELCh	76, 18.428, 274.854
Yxy	49.3659, 0.2767, 0.2877
Android (android.graphics.Color)	4289444828 (0xFFABBDC)
YUV	185.9780, 16.7728, -13.1357
Hunter-Lab	70.2609, -2.3360, -13.8903

Details

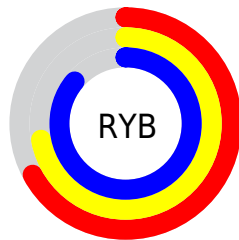
The Yxy color $49.3659, 0.2767, 0.2877$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $61.3259, 0.3499, 0.3671$, and the grayscale version is $49.0010, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.6521, 0.2956, 0.3168$, and $23.6184, 0.2670, 0.2767$ is the 20% darker color. If you saturate the color by 10%, you get $41.1389, 0.2591, 0.2658$, and if you desaturate by 10%, it is $58.6556, 0.2935, 0.3075$.

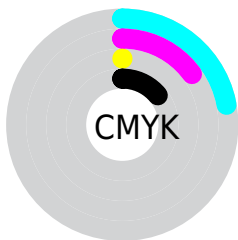
Distribution



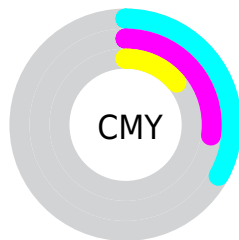
- Red (67%)
- Green (73%)
- Blue (86%)



- Red (67%)
- Yellow (72%)
- Blue (86%)



- Cyan (22%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)



- Cyan (33%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3659, 0.2767, 0.2877 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 49.3659, 0.2767, 0.2877 by changing the saturation by 10% instead.

■ 49.3659, 0.2767,
0.2877

■ 49.3659, 0.2767,
0.2877

■ 384.1810, 0.2944,
0.3079

■ 34.9098, 0.2724,
0.2828

■ 89.2347, 0.2830,
0.2949

■ 23.5934, 0.2669,
0.2766

■ 115.4161, 0.2855,
0.2977

■ 15.0323, 0.2598,
0.2686

■ 146.2748, 0.2875,
0.3000

■ 8.8421, 0.2501,
0.2577

■ 182.1952, 0.2893,
0.3020

■ 4.6383, 0.2362,
0.2421

■ 223.5616, 0.2908,
0.3038

■ 2.0366, 0.2147,
0.2183

■ 270.7584, 0.2921,

■ 0.6286, 0.1755,

0.3053

0.1736

324.1701, 0.2933,
0.3067

0.0000, 0.0000,
0.0000

49.3659, 0.2767,
0.2877

49.3659, 0.2767,
0.2877

41.1389, 0.2591,
0.2658

58.6556, 0.2935,
0.3075

33.9287, 0.2410,
0.2420

69.0395, 0.3093,
0.3252

27.6948, 0.2231,
0.2168

80.5554, 0.3238,
0.3409

22.3913, 0.2061,
0.1908

92.4763, 0.3345,
0.3548

17.9683, 0.1907,
0.1651

97.9479, 0.3333,
0.3631

■ 14.3701, 0.1778,
0.1408

■ 11.5331, 0.1680,
0.1190

■ 9.8002, 0.1624,
0.1044

Harmonies

Analogous

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



49.3659, 0.2659, 0.2971



49.3659, 0.2767, 0.2877



49.3659, 0.2972, 0.2890

Triad

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



49.3659, 0.2767, 0.2877



49.3659, 0.3607, 0.3391



49.3659, 0.3015, 0.3610

Complementary

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



49.3659, 0.2767, 0.2877



61.3259, 0.3499, 0.3671

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.



49.3659, 0.3268, 0.3729



49.3659, 0.2767, 0.2877



49.3659, 0.3617, 0.3588

Square

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



49.3659, 0.2767, 0.2877



49.3659, 0.3462, 0.3178



49.3659, 0.3490, 0.3716



49.3659, 0.2798, 0.3395

Rectangle

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



49.3659, 0.2767, 0.2877



49.3659, 0.3140, 0.2953



49.3659, 0.3490, 0.3716



49.3659, 0.3098, 0.3663

Sweetspot

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



49.3679, 0.2767, 0.2877



89.3455, 0.3019, 0.3171



64.1903, 0.2895, 0.3490



18.9348, 0.3009, 0.3160



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.



49.3679, 0.2767, 0.2877



63.1197, 0.2681, 0.2771



43.8814, 0.2815, 0.2680



13.3095, 0.2981, 0.3128



5.9323, 0.1631, 0.1071



0.5386, 0.1723, 0.1401

Inverse Universe

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



47.9189, 0.3435, 0.3103



61.0284, 0.3524, 0.3059



68.1045, 0.3399, 0.3855



13.1214, 0.3241, 0.3214



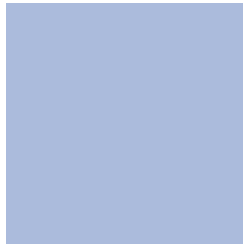
9.2226, 0.5652, 0.2887



0.6131, 0.5190, 0.2632

Previews

White Background



This preview shows how the Yxy color 49.3659, 0.2767, 0.2877 looks on a white background.

Color Contrast Check

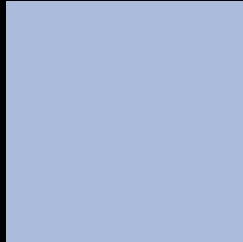
Large Text (above 18pt) WCAG AA × Fail

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 49.3659, 0.2767, 0.2877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

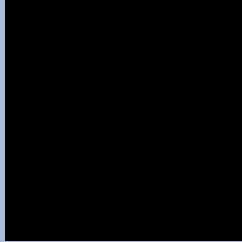
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3659, 0.2767, 0.2877

Background



This preview shows how black text looks on a background with the Yxy color 49.3659, 0.2767, 0.2877.



This preview shows how white text looks on a background with the Yxy color 49.3659, 0.2767, 0.2877.

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

49.3659, 0.2767, 0.2877

Protanopia

49.4632, 0.2845, 0.2883

Deuteranopia

49.2412, 0.2876, 0.2817



Tritanopia

49.5595, 0.2848, 0.3096

Trichromacy



Original Color

49.3659, 0.2767, 0.2877

Protanomaly

49.5794, 0.2817, 0.2881

Deuteranomaly

49.3252, 0.2832, 0.2836

Tritanomaly

49.4834, 0.2821, 0.3022

Monochromacy



Original Color

49.3659, 0.2767, 0.2877

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.0188, 0.2996, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3659, 0.2767, 0.2877 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(171, 187, 220)` looks like.

```
.text, #text, p{  
    color:rgb(171, 187, 220)  
}
```

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(171, 187, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 187, 220) }
```

Border

The CSS property to change the border of an element to Yxy 49.3659, 0.2767, 0.2877 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(171, 187, 220) }
```

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

```
.border{ border-color:rgb(171, 187, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 187, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 187, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 187, 220);  
box-shadow:4px 4px 4px 4px rgb(171, 187,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3659, 0.2767, 0.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 187, 220) }
```

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

```
.background{ background-color: rgb(171,  
187, 220) }
```

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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