

Converting Colors

Yxy(50.8818, 0.2674, 0.2742)

Have a look what the booklet for
Yxy(50.8818, 0.2674, 0.2742)
contains.

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Color

Yxy(50.8818, 0.2674, 0.2742)

Conversions

Conversions Part 1

Format	Color
Hex	AABDEA
RGB	170, 189, 234
RGB Percent	67%, 74%, 92%
CMY	0.3335, 0.2588, 0.0823
CMYK	0.27, 0.19, 0.00, 0.08
HSL	222°, 60%, 79%
HSV	222°, 27%, 92%
XYZ	49.6200, 50.8818, 85.0628
YIQ	188.4490, -25.7690, 9.9670

Conversions

Conversions Part 2

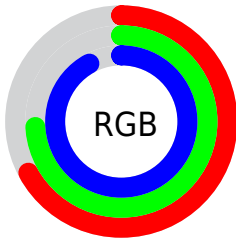
Format	Color
RYB	170, 185, 234
Decimal	11189738
CIELab	76.61, 3.43, -24.53
CIElCh	77, 24.771, 277.965
Yxy	50.8818, 0.2674, 0.2742
Android (android.graphics.Color)	4289379818 (0xFFAABDEA)
YUV	188.4490, 22.4566, -16.1798
Hunter-Lab	71.3315, -0.6610, -20.7713

Details

The Yxy color **50.8818, 0.2674, 0.2742** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.9737, 0.3591, 0.3783**, and the grayscale version is **50.4357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6936, 0.2950, 0.3189**, and **24.5357, 0.2553, 0.2606** is the 20% darker color. If you saturate the color by 10%, you get **41.8282, 0.2492, 0.2501**, and if you desaturate by 10%, it is **61.2051, 0.2849, 0.2962**.

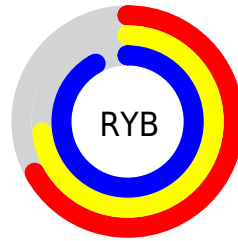
Distribution



Red (67%)

Green (74%)

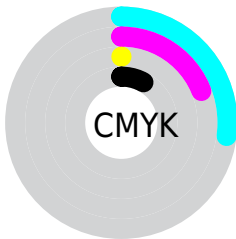
Blue (92%)



Red (67%)

Yellow (73%)

Blue (92%)

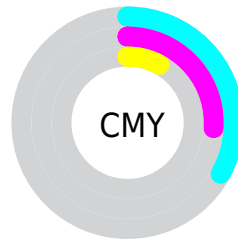


Cyan (27%)

Magenta (19%)

Yellow (0%)

Black (8%)



Cyan (33%)

Magenta (26%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8818, 0.2674, 0.2742 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 50.8818, 0.2674, 0.2742 by changing the saturation by 10% instead.

■ 50.8818, 0.2674,
0.2742

■ 50.8818, 0.2674,
0.2742

■ 390.1044, 0.2895,
0.3006

■ 36.1145, 0.2621,
0.2679

■ 91.4800, 0.2753,
0.2836

■ 24.5227, 0.2554,
0.2601

■ 118.0798, 0.2783,
0.2871

■ 15.7218, 0.2468,
0.2500

■ 149.3925, 0.2808,
0.2902

■ 9.3275, 0.2352,
0.2366

■ 185.8026, 0.2830,
0.2928

■ 4.9554, 0.2189,
0.2179

■ 227.6944, 0.2849,
0.2952

■ 2.2211, 0.1947,
0.1905

■ 275.4524, 0.2866,

■ 0.7315, 0.1559,

0.2972

0.1464

329.4609, 0.2881,
0.2990

0.0000, 0.0000,
0.0000

50.8818, 0.2674,
0.2742

50.8818, 0.2674,
0.2742

41.8282, 0.2492,
0.2501

61.2051, 0.2849,
0.2962

33.9871, 0.2307,
0.2243

72.8404, 0.3014,
0.3159

27.3054, 0.2127,
0.1974

85.8350, 0.3166,
0.3334

21.7236, 0.1960,
0.1705

98.5733, 0.3250,
0.3491

17.1760, 0.1815,
0.1446

98.7217, 0.3250,
0.3493

■ 13.5887, 0.1700,
0.1212

■ 10.8722, 0.1620,
0.1013

■ 10.2773, 0.1602,
0.0967

Harmonies

Analogous

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



50.8818, 0.2520, 0.2845



50.8818, 0.2674, 0.2742



50.8818, 0.2952, 0.2776

Triad

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



50.8818, 0.2674, 0.2742



50.8818, 0.3779, 0.3445



50.8818, 0.2941, 0.3697

Complementary

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



50.8818, 0.2674, 0.2742



68.9737, 0.3591, 0.3783

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.



50.8818, 0.3276, 0.3873



50.8818, 0.2674, 0.2742



50.8818, 0.3769, 0.3701

Square

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



50.8818, 0.2674, 0.2742



50.8818, 0.3601, 0.3168



50.8818, 0.3581, 0.3867



50.8818, 0.2667, 0.3394

Rectangle

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



50.8818, 0.2674, 0.2742



50.8818, 0.3177, 0.2866



50.8818, 0.3581, 0.3867



50.8818, 0.3050, 0.3774

Sweetspot

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



50.8838, 0.2674, 0.2742



87.5300, 0.3003, 0.3147



72.2939, 0.2833, 0.3517



18.2587, 0.2979, 0.3118



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.



50.8838, 0.2674, 0.2742



55.2922, 0.2569, 0.2605



44.7100, 0.2746, 0.2521



15.2795, 0.2980, 0.3120



5.9652, 0.1610, 0.0994



0.6308, 0.1685, 0.1266

Inverse Universe

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



49.9008, 0.3546, 0.3078



54.3098, 0.3667, 0.3030



77.1625, 0.3447, 0.3996



15.1278, 0.3246, 0.3220



10.0950, 0.5768, 0.2951



0.8091, 0.5374, 0.2734

Previews

White Background



This preview shows how the Yxy color 50.8818, 0.2674, 0.2742 looks on a white background.

Color Contrast Check

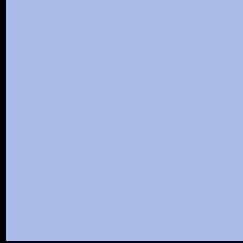
Large Text (above 18pt) WCAG AA × Fail

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 50.8818, 0.2674, 0.2742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

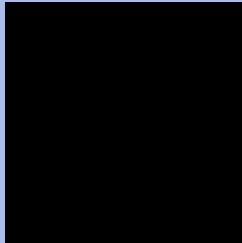
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

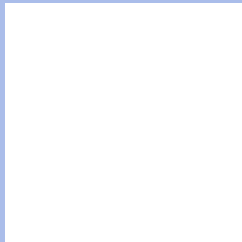
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8818, 0.2674, 0.2742

Background



This preview shows how black text looks on a background with the Yxy color 50.8818, 0.2674, 0.2742.



This preview shows how white text looks on a background with the Yxy color 50.8818, 0.2674, 0.2742.

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

50.8818, 0.2674, 0.2742

Protanopia

50.8888, 0.2734, 0.2737

Deuteranopia

50.7634, 0.2755, 0.2696



Tritanopia

50.7427, 0.2802, 0.3084

Trichromacy



Original Color

50.8818, 0.2674, 0.2742

Protanomaly

50.9636, 0.2714, 0.2746

Deuteranomaly

50.5809, 0.2720, 0.2702

Tritanomaly

50.9767, 0.2757, 0.2962

Monochromacy



Original Color

50.8818, 0.2674, 0.2742

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.1980, 0.2945, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8818, 0.2674, 0.2742 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(170, 189, 234)` looks like.

```
.text, #text, p{  
    color:rgb(170, 189, 234)  
}
```

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(170, 189, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 189, 234) }
```

Border

The CSS property to change the border of an element to Yxy 50.8818, 0.2674, 0.2742 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(170, 189, 234) }
```

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

```
.border{ border-color:rgb(170, 189, 234) }
```

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

Here you see how a box with a 4 pixel rgb(170, 189, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 189, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 189, 234);  
box-shadow:4px 4px 4px 4px rgb(170, 189,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8818, 0.2674, 0.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 189, 234) }
```

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

```
.background{ background-color: rgb(170,  
189, 234) }
```

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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