

Converting Colors

Yxy(51.7339, 0.2647, 0.2640)

Have a look what the booklet for
Yxy(51.7339, 0.2647, 0.2640)
contains.

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Color

Yxy(51.8649, 0.2648, 0.2649)

Conversions

Conversions Part 1

Format	Color
Hex	AEBDF3
RGB	174, 189, 243
RGB Percent	68%, 74%, 95%
CMY	0.3173, 0.2589, 0.0470
CMYK	0.28, 0.22, 0.00, 0.05
HSL	227°, 74%, 82%
HSV	227°, 28%, 95%
XYZ	51.8453, 51.8649, 92.0803
YIQ	190.6710, -26.2740, 13.6140

Conversions

Conversions Part 2

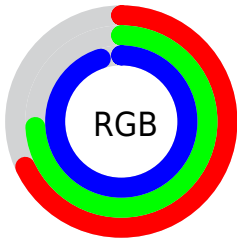
Format	Color
RYB	174, 186, 243
Decimal	11451891
CIELab	77.20, 6.81, -28.44
CIELCh	77, 29.246, 283.463
Yxy	51.8649, 0.2648, 0.2649
Android (android.graphics.Color)	4289641971 (0xFFAEBDF3)
YUV	190.6710, 25.7982, -14.6205
Hunter-Lab	72.0173, 2.4721, -25.3952

Details

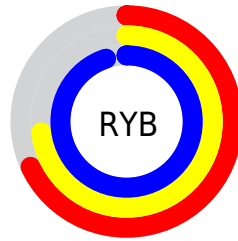
The Yxy color **51.8649, 0.2648, 0.2649** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.6654, 0.3596, 0.3858**, and the grayscale version is **51.7678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5137, 0.2981, 0.3190**, and **25.1892, 0.2521, 0.2488** is the 20% darker color. If you saturate the color by 10%, you get **41.6591, 0.2457, 0.2376**, and if you desaturate by 10%, it is **63.6561, 0.2829, 0.2899**.

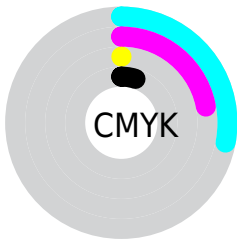
Distribution



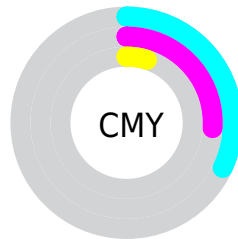
- Red (68%)
- Green (74%)
- Blue (95%)



- Red (68%)
- Yellow (73%)
- Blue (95%)



- Cyan (28%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)



- Cyan (32%)
- Magenta (26%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8649, 0.2648, 0.2649 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 51.8649, 0.2648, 0.2649 by changing the saturation by 10% instead.

■ 51.8649, 0.2648,
0.2649

■ 51.8649, 0.2648,
0.2649

393.9148, 0.2881,
0.2954

■ 36.8974, 0.2592,
0.2578

■ 92.9320, 0.2731,
0.2756

■ 25.1281, 0.2523,
0.2490

119.8003, 0.2762,
0.2797

■ 16.1725, 0.2433,
0.2377

151.4044, 0.2789,
0.2833

■ 9.6463, 0.2313,
0.2229

188.1287, 0.2813,
0.2863

■ 5.1651, 0.2146,
0.2028

230.3574, 0.2833,
0.2890

■ 2.3444, 0.1902,
0.1741

278.4751, 0.2851,

■ 0.7971, 0.1522,

0.2914

0.1309

332.8661, 0.2867,
0.2935

0.0000, 0.0000,
0.0000

51.8649, 0.2648,
0.2649

51.8649, 0.2648,
0.2649

41.6591, 0.2457,
0.2376

63.6561, 0.2829,
0.2899

32.9636, 0.2263,
0.2086

77.0911, 0.2998,
0.3123

25.7064, 0.2073,
0.1789

92.2328, 0.3151,
0.3321

19.8068, 0.1899,
0.1498

99.2517, 0.3197,
0.3405

15.1758, 0.1751,
0.1230

■ 11.7123, 0.1639,
0.1002

■ 9.2908, 0.1566,
0.0825

■ 8.9745, 0.1556,
0.0801

Harmonies

Analogous

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



51.8649, 0.2441, 0.2735



51.8649, 0.2648, 0.2649



51.8649, 0.2990, 0.2717

Triad

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



51.8649, 0.2648, 0.2649



51.8649, 0.3908, 0.3523



51.8649, 0.2841, 0.3713

Complementary

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



51.8649, 0.2648, 0.2649



77.6654, 0.3596, 0.3858

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.



51.8649, 0.3225, 0.3958



51.8649, 0.2648, 0.2649



51.8649, 0.3853, 0.3812

Square

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



51.8649, 0.2648, 0.2649



51.8649, 0.3737, 0.3202



51.8649, 0.3598, 0.3984



51.8649, 0.2545, 0.3338

Rectangle

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



51.8649, 0.2648, 0.2649



51.8649, 0.3258, 0.2837



51.8649, 0.3598, 0.3984



51.8649, 0.2963, 0.3816

Sweetspot

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



51.8669, 0.2648, 0.2649



84.9584, 0.2987, 0.3109



78.7218, 0.2792, 0.3459



17.6955, 0.2963, 0.3077



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.



51.8669, 0.2648, 0.2649



51.1347, 0.2540, 0.2495



48.1944, 0.2772, 0.2498



16.5072, 0.2979, 0.3099



5.0848, 0.1562, 0.0824



0.5918, 0.1623, 0.1044

Inverse Universe

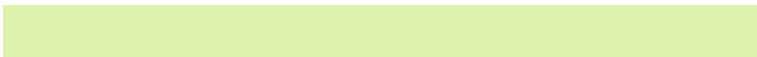
The Inverse Universe completely reimagines the original color for something new.



53.0344, 0.3617, 0.3129



52.9657, 0.3756, 0.3095



82.9317, 0.3418, 0.4034



16.5411, 0.3260, 0.3239



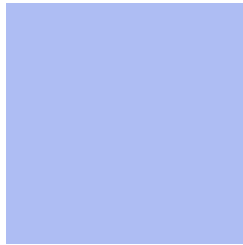
10.6127, 0.6032, 0.3097



0.9474, 0.5693, 0.2910

Previews

White Background



This preview shows how the Yxy color 51.8649, 0.2648, 0.2649 looks on a white background.

Color Contrast Check

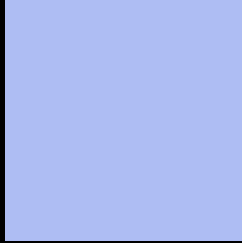
Large Text (above 18pt) WCAG AA × Fail

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 51.8649, 0.2648, 0.2649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

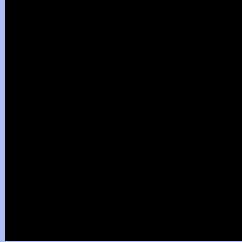
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

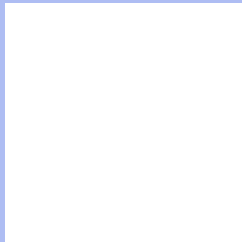
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.8649, 0.2648, 0.2649

Background



This preview shows how black text looks on a background with the Yxy color 51.8649, 0.2648, 0.2649.



This preview shows how white text looks on a background with the Yxy color 51.8649, 0.2648, 0.2649.

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

51.8649, 0.2648, 0.2649

Protanopia

51.7846, 0.2666, 0.2641

Deuteranopia

51.8355, 0.2693, 0.2633



Tritanopia

51.8988, 0.2811, 0.3099

Trichromacy



Original Color

51.8649, 0.2648, 0.2649

Protanomaly

51.6676, 0.2660, 0.2639

Deuteranomaly

51.9025, 0.2673, 0.2642

Tritanomaly

51.9599, 0.2753, 0.2930

Monochromacy



Original Color

51.8649, 0.2648, 0.2649

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.7943, 0.2941, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8649, 0.2648, 0.2649 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(174, 189, 243)` looks like.

```
.text, #text, p{  
    color:rgb(174, 189, 243)  
}
```

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(174, 189, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 189, 243) }
```

Border

The CSS property to change the border of an element to Yxy 51.8649, 0.2648, 0.2649 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(174, 189, 243) }
```

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

```
.border{ border-color:rgb(174, 189, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 189, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 189, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 189, 243);  
box-shadow:4px 4px 4px 4px rgb(174, 189,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8649, 0.2648, 0.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 189, 243) }
```

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

```
.background{ background-color: rgb(174,  
189, 243) }
```

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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