

Converting Colors

$Y_{xy}(51.1938, 0.2608, 0.2669)$

Have a look what the booklet for
Yxy(51.1938, 0.2608, 0.2669)
contains.

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Color

Yxy(51.2848, 0.2608, 0.2674)

Conversions

Conversions Part 1

Format	Color
Hex	A6BEF1
RGB	166, 190, 241
RGB Percent	65%, 75%, 95%
CMY	0.3490, 0.2549, 0.0549
CMYK	0.31, 0.21, 0.00, 0.05
HSL	221°, 73%, 80%
HSV	221°, 31%, 95%
XYZ	50.0190, 51.2848, 90.4868
YIQ	188.6380, -30.6750, 10.7730

Conversions

Conversions Part 2

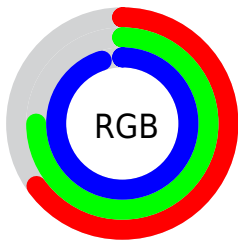
Format	Color
R _Y B	166, 184, 241
Decimal	10927857
CIE Lab	76.85, 3.46, -27.95
CIE LCh	77, 28.160, 277.053
Yxy	51.2848, 0.2608, 0.2674
Android (android.graphics.Color)	4289117937 (0xFFA6BEF1)
YUV	188.6380, 25.8145, -19.8535
Hunter-Lab	71.6134, -0.6486, -24.7862

Details

The Yxy color **51.2848, 0.2608, 0.2674** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.0926, 0.3669, 0.3837**, and the grayscale version is **50.5370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6611, 0.2926, 0.3198**, and **24.8388, 0.2472, 0.2518** is the 20% darker color. If you saturate the color by 10%, you get **42.2152, 0.2426, 0.2434**, and if you desaturate by 10%, it is **61.6451, 0.2785, 0.2895**.

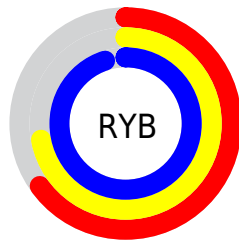
Distribution



Red (65%)

Green (75%)

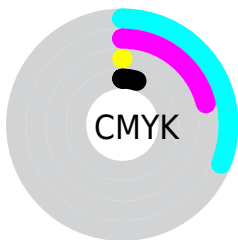
Blue (95%)



Red (65%)

Yellow (72%)

Blue (95%)

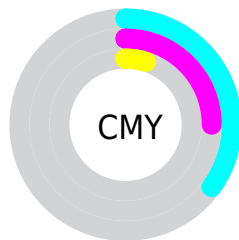


Cyan (31%)

Magenta (21%)

Yellow (0%)

Black (5%)



Cyan (35%)

Magenta (25%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2848, 0.2608, 0.2674 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 51.2848, 0.2608, 0.2674 by changing the saturation by 10% instead.

■ 51.2848, 0.2608,
0.2674

■ 51.2848, 0.2608,
0.2674

■ 391.6693, 0.2859,
0.2969

■ 36.4353, 0.2548,
0.2605

■ 92.0756, 0.2697,
0.2778

■ 24.7706, 0.2473,
0.2518

■ 118.7857, 0.2731,
0.2818

■ 15.9062, 0.2377,
0.2407

■ 150.2182, 0.2761,
0.2852

■ 9.4578, 0.2248,
0.2261

■ 186.7574, 0.2786,
0.2882

■ 5.0410, 0.2069,
0.2059

■ 228.7877, 0.2808,
0.2908

■ 2.2713, 0.1809,
0.1770

■ 276.6935, 0.2827,

■ 0.7585, 0.1408,

0.2931

0.1326

330.8592, 0.2844,
0.2951

■ 0.0000, 0.0000,
0.0000

■ 51.2848, 0.2608,
0.2674

■ 51.2848, 0.2608,
0.2674

■ 42.2152, 0.2426,
0.2434

■ 61.6451, 0.2785,
0.2895

■ 34.3767, 0.2245,
0.2179

■ 73.3404, 0.2953,
0.3094

■ 27.7134, 0.2071,
0.1916

■ 86.4201, 0.3110,
0.3272

■ 22.1625, 0.1914,
0.1655

■ 99.1313, 0.3209,
0.3425

■ 17.6541, 0.1781,
0.1407

■ 14.1084, 0.1680,
0.1186

■ 11.6709, 0.1616,
0.1017

Harmonies

Analogous

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



51.2848, 0.2441, 0.2791



51.2848, 0.2608, 0.2674



51.2848, 0.2916, 0.2709

Triad

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



51.2848, 0.2608, 0.2674



51.2848, 0.3864, 0.3451



51.2848, 0.2926, 0.3763

Complementary

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



51.2848, 0.2608, 0.2674



71.0926, 0.3669, 0.3837

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.



51.2848, 0.3304, 0.3958



51.2848, 0.2608, 0.2674



51.2848, 0.3858, 0.3743

Square

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



51.2848, 0.2608, 0.2674



51.2848, 0.3656, 0.3141



51.2848, 0.3648, 0.3939



51.2848, 0.2614, 0.3418

Rectangle

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



51.2848, 0.2608, 0.2674



51.2848, 0.3170, 0.2808



51.2848, 0.3648, 0.3939



51.2848, 0.3049, 0.3850

Sweetspot

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



51.2868, 0.2608, 0.2674



86.3460, 0.2987, 0.3133



75.9820, 0.2810, 0.3583



18.0353, 0.2964, 0.3106



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.



51.2868, 0.2608, 0.2674



51.9469, 0.2499, 0.2532



43.1547, 0.2664, 0.2395



16.0540, 0.2980, 0.3125



6.5434, 0.1624, 0.1046



0.7173, 0.1696, 0.1306

Inverse Universe

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



49.6974, 0.3608, 0.3029



50.3816, 0.3740, 0.2976



82.2461, 0.3508, 0.4092



15.8422, 0.3243, 0.3215



10.4539, 0.5690, 0.2908



0.8871, 0.5318, 0.2703

Previews

White Background



This preview shows how the Yxy color 51.2848, 0.2608, 0.2674 looks on a white background.

Color Contrast Check

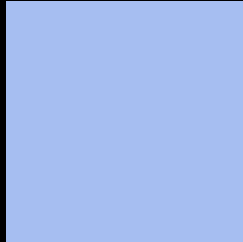
Large Text (above 18pt) WCAG AA × Fail

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 51.2848, 0.2608, 0.2674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

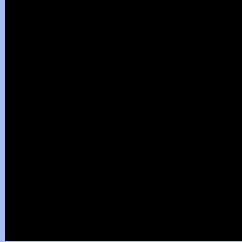
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

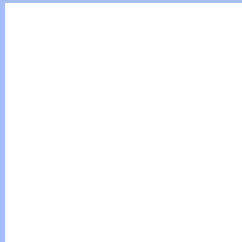
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.2848, 0.2608, 0.2674

Background



This preview shows how black text looks on a background with the Yxy color 51.2848, 0.2608, 0.2674.



This preview shows how white text looks on a background with the Yxy color 51.2848, 0.2608, 0.2674.

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

51.2848, 0.2608, 0.2674

Protanopia

51.0027, 0.2683, 0.2669

Deuteranopia

51.2319, 0.2691, 0.2630



Tritanopia

51.1043, 0.2749, 0.3083

Trichromacy



Original Color

51.2848, 0.2608, 0.2674

Protanomaly

51.0284, 0.2651, 0.2667

Deuteranomaly

51.0654, 0.2658, 0.2636

Tritanomaly

51.0952, 0.2699, 0.2924

Monochromacy



Original Color

51.2848, 0.2608, 0.2674

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.7730, 0.2924, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2848, 0.2608, 0.2674 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(166, 190, 241)` looks like.

```
.text, #text, p{  
    color:rgb(166, 190, 241)  
}
```

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(166, 190, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 190, 241) }
```

Border

The CSS property to change the border of an element to Yxy 51.2848, 0.2608, 0.2674 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(166, 190, 241) }
```

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

```
.border{ border-color:rgb(166, 190, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 190, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 190, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 190, 241);  
box-shadow:4px 4px 4px 4px rgb(166, 190,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2848, 0.2608, 0.2674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 190, 241) }
```

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

```
.background{ background-color: rgb(166,  
190, 241) }
```

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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