

Converting Colors

$Yxy(51.3008, 0.2688, 0.2818)$

Have a look what the booklet for
Yxy(51.3008, 0.2688, 0.2818)
contains.

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Color

Yxy(51.2436, 0.2694, 0.2822)

Conversions

Conversions Part 1

Format	Color
Hex	A8BFE5
RGB	168, 191, 229
RGB Percent	66%, 75%, 90%
CMY	0.3412, 0.2510, 0.1021
CMYK	0.27, 0.17, 0.00, 0.10
HSL	217°, 54%, 78%
HSV	217°, 27%, 90%
XYZ	48.9193, 51.2436, 81.4232
YIQ	188.4550, -25.9060, 6.9420

Conversions

Conversions Part 2

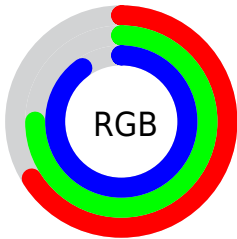
Format	Color
R _Y B	168, 185, 229
Decimal	11059173
CIE Lab	76.83, 0.58, -21.49
CIE LCh	77, 21.497, 271.558
Yxy	51.2436, 0.2694, 0.2822
Android (android.graphics.Color)	4289249253 (0xFFA8BFE5)
YUV	188.4550, 19.9887, -17.9390
Hunter-Lab	71.5846, -3.2903, -17.3296

Details

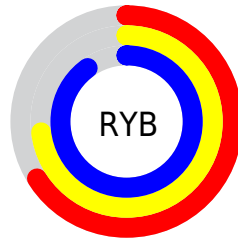
The Yxy color **51.2436, 0.2694, 0.2822** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.6104, 0.3590, 0.3717**, and the grayscale version is **50.4575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5888, 0.2939, 0.3209**, and **24.8389, 0.2587, 0.2711** is the 20% darker color. If you saturate the color by 10%, you get **43.0301, 0.2519, 0.2612**, and if you desaturate by 10%, it is **60.5092, 0.2864, 0.3014**.

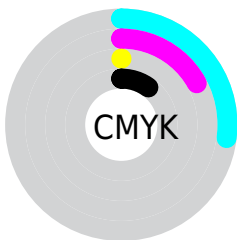
Distribution



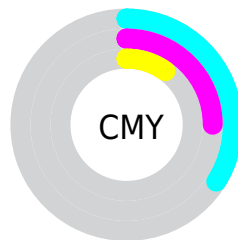
- Red (66%)
- Green (75%)
- Blue (90%)



- Red (66%)
- Yellow (73%)
- Blue (90%)



- Cyan (27%)
- Magenta (17%)
- Yellow (0%)
- Black (10%)



- Cyan (34%)
- Magenta (25%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2436, 0.2694, 0.2822 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 51.2436, 0.2694, 0.2822 by changing the saturation by 10% instead.

■ 51.2436, 0.2694,
0.2822

■ 51.2436, 0.2694,
0.2822

■ 391.5095, 0.2905,
0.3049

■ 36.4025, 0.2643,
0.2768

■ 92.0148, 0.2769,
0.2903

■ 24.7452, 0.2580,
0.2699

■ 118.7136, 0.2798,
0.2934

■ 15.8873, 0.2497,
0.2611

■ 150.1338, 0.2822,
0.2960

■ 9.4445, 0.2386,
0.2492

■ 186.6598, 0.2843,
0.2983

■ 5.0322, 0.2230,
0.2324

■ 228.6760, 0.2861,
0.3003

■ 2.2662, 0.1996,
0.2074

■ 276.5668, 0.2878,

■ 0.7557, 0.1609,

0.3020

0.1659

330.7164, 0.2892,
0.3035

0.0000, 0.0000,
0.0000

51.2436, 0.2694,
0.2822

51.2436, 0.2694,
0.2822

43.0301, 0.2519,
0.2612

60.5092, 0.2864,
0.3014

35.8221, 0.2344,
0.2385

70.8587, 0.3025,
0.3186

29.5783, 0.2174,
0.2147

82.3302, 0.3177,
0.3340

24.2518, 0.2016,
0.1904

94.0764, 0.3287,
0.3476

19.7909, 0.1878,
0.1665

98.4358, 0.3280,
0.3542

■ 16.1373, 0.1765,
0.1439

■ 13.2214, 0.1683,
0.1236

■ 12.3738, 0.1659,
0.1173

Harmonies

Analogous

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



51.2436, 0.2585, 0.2940



51.2436, 0.2694, 0.2822



51.2436, 0.2918, 0.2825

Triad

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



51.2436, 0.2694, 0.2822



51.2436, 0.3670, 0.3376



51.2436, 0.3028, 0.3683

Complementary

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



51.2436, 0.2694, 0.2822



63.6104, 0.3590, 0.3717

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.



51.2436, 0.3319, 0.3804



51.2436, 0.2694, 0.2822



51.2436, 0.3699, 0.3607

Square

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



51.2436, 0.2694, 0.2822



51.2436, 0.3487, 0.3136



51.2436, 0.3567, 0.3770



51.2436, 0.2771, 0.3441

Rectangle

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



51.2436, 0.2694, 0.2822



51.2436, 0.3108, 0.2890



51.2436, 0.3567, 0.3770



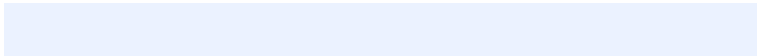
51.2436, 0.3125, 0.3740

Sweetspot

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



51.2456, 0.2694, 0.2822



88.4951, 0.3003, 0.3163



68.7876, 0.2870, 0.3573



18.5007, 0.2979, 0.3138



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.



51.2456, 0.2694, 0.2822



59.4244, 0.2597, 0.2707



42.7895, 0.2719, 0.2538



14.7738, 0.2981, 0.3140



7.2900, 0.1667, 0.1202



0.7130, 0.1748, 0.1494

Inverse Universe

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



48.4222, 0.3486, 0.3029



55.6694, 0.3587, 0.2972



74.3607, 0.3476, 0.3966



14.4575, 0.3233, 0.3202



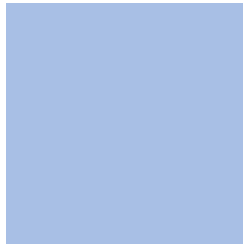
9.9336, 0.5464, 0.2784



0.7517, 0.5067, 0.2565

Previews

White Background



This preview shows how the Yxy color 51.2436, 0.2694, 0.2822 looks on a white background.

Color Contrast Check

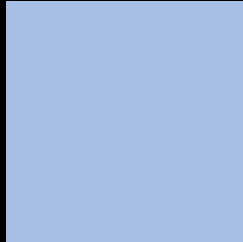
Large Text (above 18pt) WCAG AA × Fail

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 51.2436, 0.2694, 0.2822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

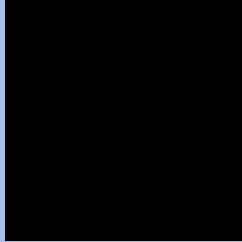
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

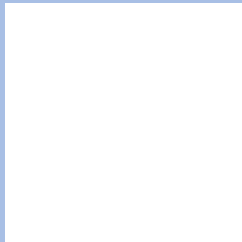
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.2436, 0.2694, 0.2822

Background



This preview shows how black text looks on a background with the Yxy color 51.2436, 0.2694, 0.2822.



This preview shows how white text looks on a background with the Yxy color 51.2436, 0.2694, 0.2822.

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

51.2436, 0.2694, 0.2822

Protanopia

51.3362, 0.2795, 0.2819

Deuteranopia

50.9759, 0.2817, 0.2755



Tritanopia

51.1292, 0.2789, 0.3084

Trichromacy



Original Color

51.2436, 0.2694, 0.2822

Protanomaly

51.2267, 0.2753, 0.2815

Deuteranomaly

50.9571, 0.2767, 0.2772

Tritanomaly

51.1490, 0.2750, 0.2986

Monochromacy



Original Color

51.2436, 0.2694, 0.2822

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.5307, 0.2960, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2436, 0.2694, 0.2822 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(168, 191, 229)` looks like.

```
.text, #text, p{  
    color:rgb(168, 191, 229)  
}
```

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(168, 191, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 191, 229) }
```

Border

The CSS property to change the border of an element to Yxy 51.2436, 0.2694, 0.2822 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(168, 191, 229) }
```

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

```
.border{ border-color:rgb(168, 191, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 191, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 191, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 191, 229);  
box-shadow:4px 4px 4px 4px rgb(168, 191,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2436, 0.2694, 0.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 191, 229) }
```

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

```
.background{ background-color: rgb(168,  
191, 229) }
```

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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