

Converting Colors

$Yxy(51.7528, 0.2829, 0.2911)$

Have a look what the booklet for
Yxy(51.7528, 0.2829, 0.2911)
contains.

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Color

Yxy(51.7507, 0.2829, 0.2911)

Conversions

Conversions Part 1

Format	Color
Hex	B4BEDD
RGB	180, 190, 221
RGB Percent	71%, 75%, 87%
CMY	0.2939, 0.2549, 0.1334
CMYK	0.19, 0.14, 0.00, 0.13
HSL	225°, 38%, 79%
HSV	225°, 19%, 87%
XYZ	50.2929, 51.7507, 75.7327
YIQ	190.5440, -15.9110, 7.5210

Conversions

Conversions Part 2

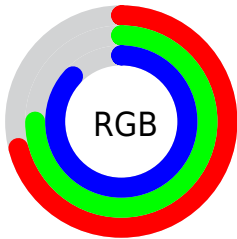
Format	Color
RYB	180, 188, 221
Decimal	11845341
CIELab	77.13, 2.99, -16.63
CIELCh	77, 16.897, 280.175
Yxy	51.7507, 0.2829, 0.2911
Android (android.graphics.Color)	4290035421 (0xFFB4BEDD)
YUV	190.5440, 15.0148, -9.2471
Hunter-Lab	71.9380, -1.0993, -12.0610

Details

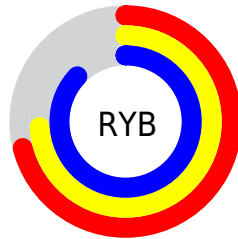
The Yxy color **51.7507, 0.2829, 0.2911** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.2739, 0.3424, 0.3642**, and the grayscale version is **51.7458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9644, 0.3012, 0.3201**, and **25.1565, 0.2750, 0.2815** is the 20% darker color. If you saturate the color by 10%, you get **42.4723, 0.2650, 0.2672**, and if you desaturate by 10%, it is **62.2880, 0.2996, 0.3126**.

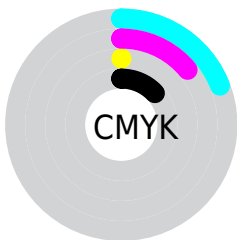
Distribution



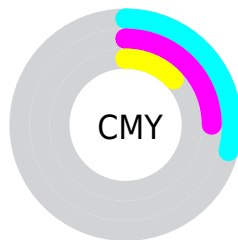
- Red (71%)
- Green (75%)
- Blue (87%)



- Red (71%)
- Yellow (74%)
- Blue (87%)



- Cyan (19%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)



- Cyan (29%)
- Magenta (25%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7507, 0.2829, 0.2911 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 51.7507, 0.2829, 0.2911 by changing the saturation by 10% instead.

■ 51.7507, 0.2829,
0.2911

■ 51.7507, 0.2829,
0.2911

■ 393.4734, 0.2975,
0.3095

■ 36.8064, 0.2794,
0.2867

■ 92.7635, 0.2881,
0.2976

■ 25.0576, 0.2749,
0.2812

■ 119.6007, 0.2901,
0.3001

■ 16.1200, 0.2691,
0.2740

■ 151.1711, 0.2918,
0.3023

■ 9.6091, 0.2611,
0.2643

■ 187.8590, 0.2932,
0.3041

■ 5.1406, 0.2498,
0.2505

■ 230.0488, 0.2945,
0.3057

■ 2.3300, 0.2322,
0.2296

■ 278.1248, 0.2956,

■ 0.7895, 0.2023,

0.3071

0.1940

332.4716, 0.2966,
0.3083

0.0000, 0.0000,
0.0000

51.7507, 0.2829,
0.2911

51.7507, 0.2829,
0.2911

42.4723, 0.2650,
0.2672

62.2880, 0.2996,
0.3126

34.3985, 0.2463,
0.2410

74.1231, 0.3149,
0.3317

27.4802, 0.2273,
0.2131

87.3012, 0.3288,
0.3484

21.6623, 0.2087,
0.1844

97.9996, 0.3328,
0.3621

16.8853, 0.1917,
0.1561

■ 13.0832, 0.1770,
0.1296

■ 10.1816, 0.1657,
0.1066

■ 8.0847, 0.1581,
0.0881

■ 7.8295, 0.1572,
0.0857

Harmonies

Analogous

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



51.7507, 0.2713, 0.2980



51.7507, 0.2829, 0.2911



51.7507, 0.3027, 0.2938

Triad

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



51.7507, 0.2829, 0.2911



51.7507, 0.3571, 0.3417



51.7507, 0.2987, 0.3548

Complementary

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



51.7507, 0.2829, 0.2911



65.2739, 0.3424, 0.3642

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.



51.7507, 0.3215, 0.3674



51.7507, 0.2829, 0.2911



51.7507, 0.3557, 0.3587

Square

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



51.7507, 0.2829, 0.2911



51.7507, 0.3460, 0.3223



51.7507, 0.3425, 0.3685



51.7507, 0.2802, 0.3347

Rectangle

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



51.7507, 0.2829, 0.2911



51.7507, 0.3181, 0.3005



51.7507, 0.3425, 0.3685



51.7507, 0.3061, 0.3601

Sweetspot

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



51.7528, 0.2829, 0.2911



90.0442, 0.3035, 0.3176



66.1040, 0.2911, 0.3412



19.0498, 0.3025, 0.3163



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.



51.7528, 0.2829, 0.2911



66.7013, 0.2765, 0.2826



48.8646, 0.2901, 0.2797



13.1284, 0.2981, 0.3108



4.6979, 0.1578, 0.0881



0.4393, 0.1665, 0.1194

Inverse Universe

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



51.7487, 0.3402, 0.3175



66.8412, 0.3470, 0.3151



68.8136, 0.3328, 0.3761



13.1031, 0.3254, 0.3233



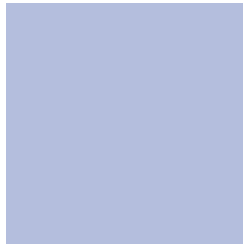
9.0980, 0.5941, 0.3046



0.6030, 0.5475, 0.2789

Previews

White Background



This preview shows how the Yxy color 51.7507, 0.2829, 0.2911 looks on a white background.

Color Contrast Check

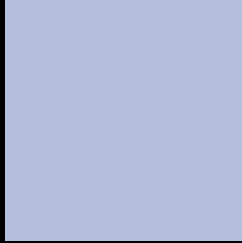
Large Text (above 18pt) WCAG AA × Fail

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 51.7507, 0.2829, 0.2911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

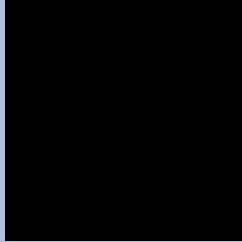
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

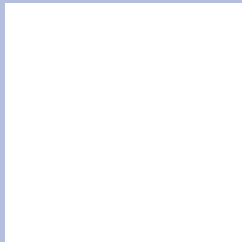
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.7507, 0.2829, 0.2911

Background



This preview shows how black text looks on a background with the Yxy color 51.7507, 0.2829, 0.2911.



This preview shows how white text looks on a background with the Yxy color 51.7507, 0.2829, 0.2911.

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

51.7507, 0.2829, 0.2911

Protanopia

51.8768, 0.2872, 0.2914

Deuteranopia

51.8611, 0.2925, 0.2862



Tritanopia

51.7183, 0.2903, 0.3089

Trichromacy



Original Color

51.7507, 0.2829, 0.2911

Protanomaly

51.6298, 0.2857, 0.2912

Deuteranomaly

51.6334, 0.2887, 0.2870

Tritanomaly

51.6494, 0.2876, 0.3017

Monochromacy



Original Color

51.7507, 0.2829, 0.2911

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

52.0907, 0.3014, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7507, 0.2829, 0.2911 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(180, 190, 221)` looks like.

```
.text, #text, p{  
    color:rgb(180, 190, 221)  
}
```

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(180, 190, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 190, 221) }
```

Border

The CSS property to change the border of an element to Yxy 51.7507, 0.2829, 0.2911 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(180, 190, 221) }
```

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

```
.border{ border-color:rgb(180, 190, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 190, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 190, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 190, 221);  
box-shadow:4px 4px 4px 4px rgb(180, 190,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7507, 0.2829, 0.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 190, 221) }
```

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

```
.background{ background-color: rgb(180,  
190, 221) }
```

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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