

Converting Colors

$Y_{xy}(51.2738, 0.2690, 0.2675)$

Have a look what the booklet for
Yxy(51.2738, 0.2690, 0.2675)
contains.

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Color

Yxy(51.1198, 0.2690, 0.2671)

Conversions

Conversions Part 1

Format	Color
Hex	B1BBEF
RGB	177, 187, 239
RGB Percent	69%, 73%, 94%
CMY	0.3057, 0.2667, 0.0629
CMYK	0.26, 0.22, 0.00, 0.06
HSL	230°, 66%, 82%
HSV	230°, 26%, 94%
XYZ	51.4834, 51.1198, 88.7850
YIQ	189.9380, -22.6520, 14.0520

Conversions

Conversions Part 2

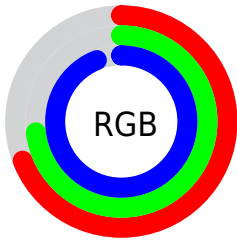
Format	Color
R_{YB}	177, 186, 239
Decimal	11647983
CIE _{Lab}	76.75, 7.79, -26.93
CIE _{LCh}	77, 28.036, 286.131
Yxy	51.1198, 0.2690, 0.2671
Android (android.graphics.Color)	4289838063 (0xFFB1BBEF)
YUV	189.9380, 24.1876, -11.3466
Hunter-Lab	71.4981, 3.4103, -23.5765

Details

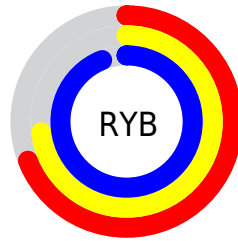
The Yxy color **51.1198, 0.2690, 0.2671** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.5604, 0.3543, 0.3841**, and the grayscale version is **51.3267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8136, 0.2999, 0.3170**, and **24.6800, 0.2572, 0.2514** is the 20% darker color. If you saturate the color by 10%, you get **40.6338, 0.2497, 0.2384**, and if you desaturate by 10%, it is **63.2893, 0.2871, 0.2932**.

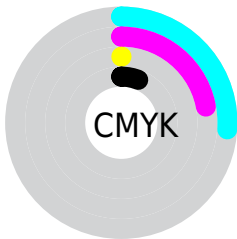
Distribution



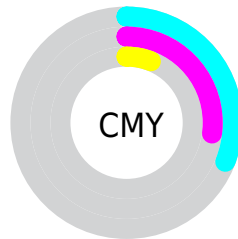
- Red (69%)
- Green (73%)
- Blue (94%)



- Red (69%)
- Yellow (73%)
- Blue (94%)



- Cyan (26%)
- Magenta (22%)
- Yellow (0%)
- Black (6%)



- Cyan (31%)
- Magenta (27%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1198, 0.2690, 0.2671 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 51.1198, 0.2690, 0.2671 by changing the saturation by 10% instead.

■ 51.1198, 0.2690,
0.2671

■ 51.1198, 0.2690,
0.2671

■ 391.0291, 0.2904,
0.2966

■ 36.3040, 0.2639,
0.2602

■ 91.8318, 0.2766,
0.2775

■ 24.6690, 0.2574,
0.2516

■ 118.4968, 0.2795,
0.2815

■ 15.8307, 0.2490,
0.2406

■ 149.8803, 0.2820,
0.2849

■ 9.4044, 0.2378,
0.2261

■ 186.3667, 0.2841,
0.2879

■ 5.0059, 0.2220,
0.2063

■ 228.3403, 0.2860,
0.2905

■ 2.2507, 0.1985,
0.1778

■ 276.1857, 0.2876,

■ 0.7474, 0.1613,

0.2928

0.1337

330.2871, 0.2891,
0.2948

0.0000, 0.0000,
0.0000

51.1198, 0.2690,
0.2671

51.1198, 0.2690,
0.2671

40.6338, 0.2497,
0.2384

63.2893, 0.2871,
0.2932

31.7506, 0.2297,
0.2079

77.2059, 0.3037,
0.3165

24.3919, 0.2099,
0.1765

92.9377, 0.3186,
0.3371

18.4704, 0.1914,
0.1459

99.0098, 0.3221,
0.3444

13.8897, 0.1756,
0.1179

■ 10.5407, 0.1634,
0.0946

■ 8.2963, 0.1556,
0.0773

■ 7.6439, 0.1533,
0.0720

Harmonies

Analogous

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



51.1198, 0.2476, 0.2741



51.1198, 0.2690, 0.2671



51.1198, 0.3029, 0.2749

Triad

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



51.1198, 0.2690, 0.2671



51.1198, 0.3884, 0.3544



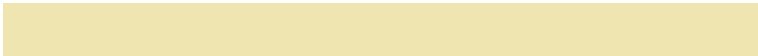
51.1198, 0.2821, 0.3668

Complementary

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



51.1198, 0.2690, 0.2671



77.5604, 0.3543, 0.3841

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.



51.1198, 0.3188, 0.3919



51.1198, 0.2690, 0.2671



51.1198, 0.3812, 0.3815

Square

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



51.1198, 0.2690, 0.2671



51.1198, 0.3737, 0.3233



51.1198, 0.3552, 0.3965



51.1198, 0.2547, 0.3304

Rectangle

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



51.1198, 0.2690, 0.2671



51.1198, 0.3289, 0.2871



51.1198, 0.3552, 0.3965



51.1198, 0.2937, 0.3770

Sweetspot

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



51.1218, 0.2690, 0.2671



85.8940, 0.3003, 0.3118



76.6999, 0.2802, 0.3407



17.8495, 0.2979, 0.3084



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.



51.1218, 0.2690, 0.2671



52.6951, 0.2591, 0.2525



49.6522, 0.2832, 0.2579



15.6393, 0.2980, 0.3086



4.3488, 0.1539, 0.0738



0.4824, 0.1596, 0.0946

Inverse Universe

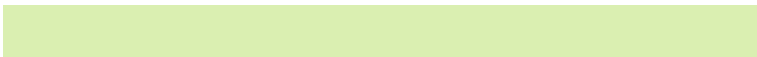
The Inverse Universe completely reimagines the original color for something new.



53.3920, 0.3592, 0.3182



55.9506, 0.3721, 0.3159



79.8419, 0.3372, 0.3970



15.8003, 0.3268, 0.3252



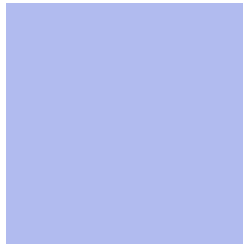
10.2324, 0.6169, 0.3172



0.8634, 0.5841, 0.2991

Previews

White Background



This preview shows how the Yxy color 51.1198, 0.2690, 0.2671 looks on a white background.

Color Contrast Check

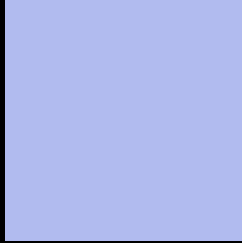
Large Text (above 18pt) WCAG AA × Fail

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 51.1198, 0.2690, 0.2671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

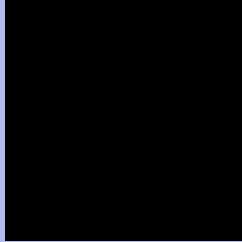
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.1198, 0.2690, 0.2671

Background



This preview shows how black text looks on a background with the Yxy color 51.1198, 0.2690, 0.2671.



This preview shows how white text looks on a background with the Yxy color 51.1198, 0.2690, 0.2671.

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

51.1198, 0.2690, 0.2671

Protanopia

51.0027, 0.2683, 0.2669

Deuteranopia

51.2949, 0.2723, 0.2664



Tritanopia

51.3519, 0.2852, 0.3099

Trichromacy



Original Color

51.1198, 0.2690, 0.2671

Protanomaly

51.0027, 0.2683, 0.2669

Deuteranomaly

51.0531, 0.2709, 0.2662

Tritanomaly

51.2603, 0.2792, 0.2942

Monochromacy



Original Color

51.1198, 0.2690, 0.2671

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.2635, 0.2955, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1198, 0.2690, 0.2671 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(177, 187, 239)` looks like.

```
.text, #text, p{  
    color:rgb(177, 187, 239)  
}
```

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(177, 187, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 187, 239) }
```

Border

The CSS property to change the border of an element to Yxy 51.1198, 0.2690, 0.2671 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(177, 187, 239) }
```

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

```
.border{ border-color:rgb(177, 187, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 187, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 187, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 187, 239);  
box-shadow:4px 4px 4px 4px rgb(177, 187,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1198, 0.2690, 0.2671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 187, 239) }
```

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

```
.background{ background-color: rgb(177,  
187, 239) }
```

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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