

Converting Colors

$Yxy(51.1267, 0.2628, 0.2850)$

Have a look what the booklet for
Yxy(51.1267, 0.2628, 0.2850)
contains.

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Color

Yxy(50.9095, 0.2630, 0.2850)

Conversions

Conversions Part 1

Format	Color
Hex	9DC1E4
RGB	157, 193, 228
RGB Percent	62%, 76%, 89%
CMY	0.3842, 0.2431, 0.1059
CMYK	0.31, 0.15, 0.00, 0.11
HSL	210°, 57%, 75%
HSV	210°, 31%, 89%
XYZ	46.9796, 50.9095, 80.7407
YIQ	186.2260, -32.6910, 3.2530

Conversions

Conversions Part 2

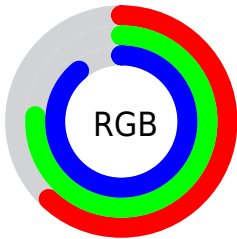
Format	Color
RYB	157, 181, 228
Decimal	10338788
CIELab	76.62, -3.91, -21.33
CIELCh	77, 21.685, 259.608
Yxy	50.9095, 0.2630, 0.2850
Android (android.graphics.Color)	4288528868 (0xFF9DC1E4)
YUV	186.2260, 20.5946, -25.6312
Hunter-Lab	71.3509, -7.3341, -17.1469

Details

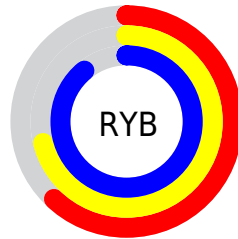
The Yxy color **50.9095, 0.2630, 0.2850** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.6313, 0.3711, 0.3692**, and the grayscale version is **49.1351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1175, 0.2874, 0.3228**, and **24.6569, 0.2494, 0.2731** is the 20% darker color. If you saturate the color by 10%, you get **44.0454, 0.2467, 0.2680**, and if you desaturate by 10%, it is **58.5832, 0.2794, 0.3007**.

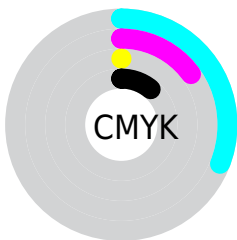
Distribution



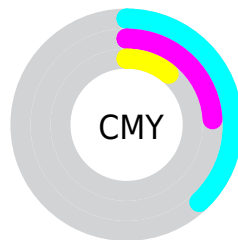
- Red (62%)
- Green (76%)
- Blue (89%)



- Red (62%)
- Yellow (71%)
- Blue (89%)



- Cyan (31%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (38%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9095, 0.2630, 0.2850 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 50.9095, 0.2630, 0.2850 by changing the saturation by 10% instead.

■ 50.9095, 0.2630,
0.2850

■ 50.9095, 0.2630,
0.2850

■ 390.2121, 0.2871,
0.3066

■ 36.1366, 0.2573,
0.2798

■ 91.5210, 0.2716,
0.2927

■ 24.5397, 0.2500,
0.2732

■ 118.1283, 0.2748,
0.2957

■ 15.7345, 0.2407,
0.2646

■ 149.4493, 0.2776,
0.2982

■ 9.3364, 0.2282,
0.2529

■ 185.8683, 0.2800,
0.3003

■ 4.9613, 0.2107,
0.2364

■ 227.7697, 0.2821,
0.3022

■ 2.2246, 0.1846,
0.2114

■ 275.5378, 0.2840,

■ 0.7333, 0.1391,

0.3038

0.1696

329.5572, 0.2856,
0.3053

0.0000, 0.0000,
0.0000

50.9095, 0.2630,
0.2850

50.9095, 0.2630,
0.2850

44.0454, 0.2467,
0.2680

58.5832, 0.2794,
0.3007

37.9528, 0.2310,
0.2498

67.0907, 0.2955,
0.3149

32.5988, 0.2162,
0.2309

76.4621, 0.3110,
0.3277

27.9452, 0.2031,
0.2115

86.7245, 0.3258,
0.3390

23.9492, 0.1919,
0.1922

94.7378, 0.3292,
0.3497

■ 20.5610, 0.1832,
0.1735

■ 98.3809, 0.3286,
0.3552

■ 17.9962, 0.1772,
0.1579

Harmonies

Analogous

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



50.9095, 0.2574, 0.3015



50.9095, 0.2630, 0.2850



50.9095, 0.2814, 0.2804

Triad

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



50.9095, 0.2630, 0.2850



50.9095, 0.3619, 0.3278



50.9095, 0.3144, 0.3755

Complementary

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



50.9095, 0.2630, 0.2850



56.6313, 0.3711, 0.3692

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.



50.9095, 0.3431, 0.3814



50.9095, 0.2630, 0.2850



50.9095, 0.3714, 0.3522

Square

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



50.9095, 0.2630, 0.2850



50.9095, 0.3386, 0.3047



50.9095, 0.3642, 0.3722



50.9095, 0.2862, 0.3550

Rectangle

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



50.9095, 0.2630, 0.2850



50.9095, 0.2990, 0.2841



50.9095, 0.3642, 0.3722



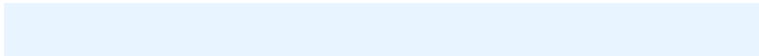
50.9095, 0.3243, 0.3793

Sweetspot

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



50.9115, 0.2630, 0.2850



88.8962, 0.2987, 0.3176



66.4272, 0.2884, 0.3750



18.6619, 0.2964, 0.3157



0.0000, 0.0000, 0.0000



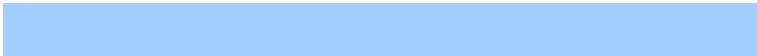
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.9115, 0.2630, 0.2850



60.1085, 0.2530, 0.2748



37.2949, 0.2576, 0.2392



15.0889, 0.2981, 0.3171



10.6306, 0.1779, 0.1605



0.9714, 0.1852, 0.1867

Inverse Universe

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



44.4640, 0.3478, 0.2881



51.2055, 0.3572, 0.2798



73.7598, 0.3600, 0.4054



14.4893, 0.3213, 0.3171



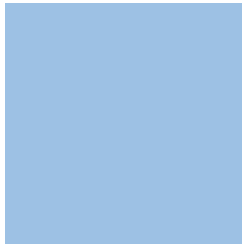
10.2709, 0.4925, 0.2486



0.7777, 0.4606, 0.2311

Previews

White Background



This preview shows how the Yxy color 50.9095, 0.2630, 0.2850 looks on a white background.

Color Contrast Check

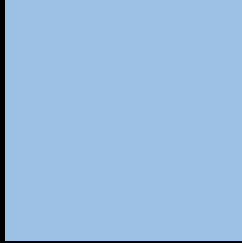
Large Text (above 18pt) WCAG AA × Fail

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 50.9095, 0.2630, 0.2850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

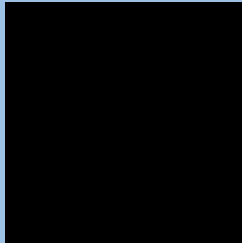
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

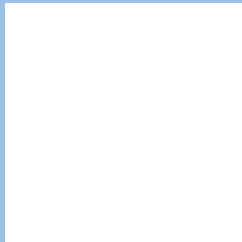
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9095, 0.2630, 0.2850

Background



This preview shows how black text looks on a background with the Yxy color 50.9095, 0.2630, 0.2850.

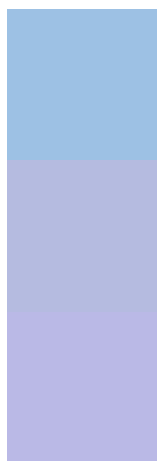


This preview shows how white text looks on a background with the Yxy color 50.9095, 0.2630, 0.2850.

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

50.9095, 0.2630, 0.2850

Protanopia

50.7462, 0.2814, 0.2840

Deuteranopia

50.8502, 0.2809, 0.2753



Tritanopia

50.9553, 0.2710, 0.3094

Trichromacy



Original Color

50.9095, 0.2630, 0.2850

Protanomaly

50.6021, 0.2744, 0.2845

Deuteranomaly

50.7375, 0.2739, 0.2790

Tritanomaly

50.9100, 0.2679, 0.3006

Monochromacy



Original Color

50.9095, 0.2630, 0.2850

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.7262, 0.2928, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9095, 0.2630, 0.2850 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(157, 193, 228)` looks like.

```
.text, #text, p{  
    color:rgb(157, 193, 228)  
}
```

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(157, 193, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 193, 228) }
```

Border

The CSS property to change the border of an element to Yxy 50.9095, 0.2630, 0.2850 is called "border". The border property can be set on classes, ids or directly on the HTML element.

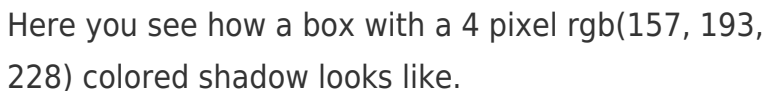
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 193, 228) }
```

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

```
.border{ border-color:rgb(157, 193, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 193, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 193, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 193, 228); box-shadow:4px 4px 4px 4px rgb(157, 193, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9095, 0.2630, 0.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 193, 228) }
```

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

```
.background{ background-color: rgb(157,  
193, 228) }
```

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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