

Converting Colors

$Y_{xy}(51.6490, 0.2863, 0.3078)$

Have a look what the booklet for
Yxy(51.6490, 0.2863, 0.3078)
contains.

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Color

Yxy(51.7917, 0.2860, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	AEC1D2
RGB	174, 193, 210
RGB Percent	68%, 76%, 82%
CMY	0.3177, 0.2431, 0.1765
CMYK	0.17, 0.08, 0.00, 0.18
HSL	208°, 29%, 75%
HSV	208°, 17%, 82%
XYZ	48.1548, 51.7917, 68.4270
YIQ	189.2570, -16.7810, 1.2590

Conversions

Conversions Part 2

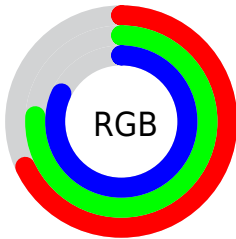
Format	Color
RYB	174, 186, 210
Decimal	11452882
CIELab	77.16, -2.94, -10.70
CIELCh	77, 11.093, 254.657
Yxy	51.7917, 0.2860, 0.3076
Android (android.graphics.Color)	4289642962 (0xFFAEC1D2)
YUV	189.2570, 10.2263, -13.3804
Hunter-Lab	71.9665, -6.5018, -5.9975

Details

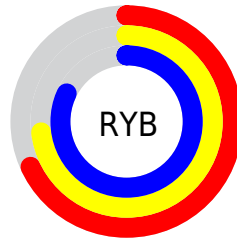
The Yxy color **51.7917, 0.2860, 0.3076** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.0047, 0.3420, 0.3495**, and the grayscale version is **50.9907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7944, 0.2975, 0.3230**, and **25.2214, 0.2783, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **45.3337, 0.2699, 0.2933**, and if you desaturate by 10%, it is **58.9243, 0.3018, 0.3206**.

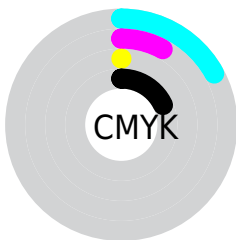
Distribution



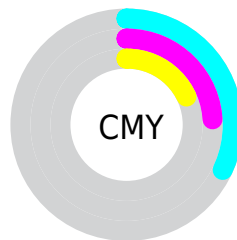
- Red (68%)
- Green (76%)
- Blue (82%)



- Red (68%)
- Yellow (73%)
- Blue (82%)



- Cyan (17%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)



- Cyan (32%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7917, 0.2860, 0.3076 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 51.7917, 0.2860, 0.3076 by changing the saturation by 10% instead.

■ 51.7917, 0.2860,
0.3076

■ 51.7917, 0.2860,
0.3076

■ 393.6319, 0.2990,
0.3181

■ 36.8391, 0.2828,
0.3050

■ 92.8240, 0.2907,
0.3114

■ 25.0829, 0.2789,
0.3017

■ 119.6724, 0.2924,
0.3128

■ 16.1388, 0.2736,
0.2974

■ 151.2549, 0.2939,
0.3141

■ 9.6225, 0.2665,
0.2915

■ 187.9558, 0.2952,
0.3151

■ 5.1494, 0.2563,
0.2829

■ 230.1596, 0.2964,
0.3160

■ 2.3352, 0.2404,
0.2692

■ 278.2506, 0.2974,

■ 0.7922, 0.2103,

0.3168

0.2446

332.6133, 0.2982,
0.3175

0.0000, 0.0000,
0.0000

51.7917, 0.2860,
0.3076

51.7917, 0.2860,
0.3076

45.3337, 0.2699,
0.2933

58.9243, 0.3018,
0.3206

39.5208, 0.2538,
0.2776

66.7471, 0.3170,
0.3322

34.3304, 0.2381,
0.2608

75.2828, 0.3315,
0.3425

29.7358, 0.2232,
0.2431

83.9812, 0.3431,
0.3518

25.7081, 0.2097,
0.2248

89.7360, 0.3414,
0.3613

■ 22.2149, 0.1980,
0.2063

■ 95.8103, 0.3398,
0.3707

■ 19.2193, 0.1885,
0.1882

■ 97.4329, 0.3394,
0.3731

■ 16.6740, 0.1813,
0.1708

■ 16.0094, 0.1794,
0.1660

Harmonies

Analogous

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



51.7917, 0.2842, 0.3174



51.7917, 0.2860, 0.3076



51.7917, 0.2948, 0.3037

Triad

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



51.7917, 0.2860, 0.3076



51.7917, 0.3360, 0.3266



51.7917, 0.3164, 0.3531

Complementary

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



51.7917, 0.2860, 0.3076



54.0047, 0.3420, 0.3495

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.



51.7917, 0.3306, 0.3552



51.7917, 0.2860, 0.3076



51.7917, 0.3421, 0.3395

Square

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



51.7917, 0.2860, 0.3076



51.7917, 0.3236, 0.3147



51.7917, 0.3400, 0.3500



51.7917, 0.3015, 0.3440

Rectangle

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



51.7917, 0.2860, 0.3076



51.7917, 0.3035, 0.3048



51.7917, 0.3400, 0.3500



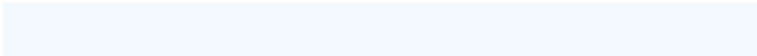
51.7917, 0.3214, 0.3546

Sweetspot

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



51.7938, 0.2860, 0.3076



93.8842, 0.3050, 0.3231



58.8397, 0.2994, 0.3531



19.9159, 0.3039, 0.3223



0.0000, 0.0000, 0.0000



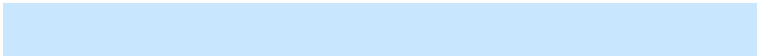
21.4041, 0.3127, 0.3290

Same Dimension

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



51.7938, 0.2860, 0.3076



76.1497, 0.2794, 0.3019



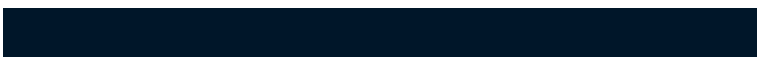
44.3819, 0.2849, 0.2845



12.4367, 0.2983, 0.3178



9.9691, 0.1801, 0.1684



0.7157, 0.1890, 0.2003

Inverse Universe

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



47.8178, 0.3288, 0.3063



68.9421, 0.3334, 0.3006



62.2561, 0.3385, 0.3700



11.9111, 0.3209, 0.3168



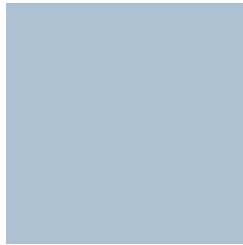
9.0776, 0.4826, 0.2432



0.5235, 0.4449, 0.2225

Previews

White Background



This preview shows how the Yxy color 51.7917, 0.2860, 0.3076 looks on a white background.

Color Contrast Check

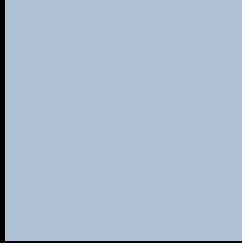
Large Text (above 18pt) WCAG AA × Fail

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 51.7917, 0.2860, 0.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

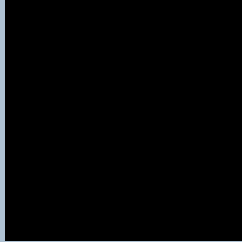
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

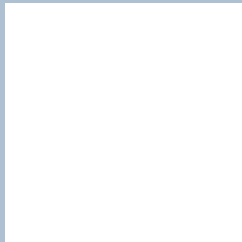
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.7917, 0.2860, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 51.7917, 0.2860, 0.3076.



This preview shows how white text looks on a background with the Yxy color 51.7917, 0.2860, 0.3076.

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

51.7917, 0.2860, 0.3076

Protanopia

51.7190, 0.2993, 0.3069

Deuteranopia

51.5935, 0.3036, 0.2968



Tritanopia

51.7420, 0.2867, 0.3088

Trichromacy



Original Color

51.7917, 0.2860, 0.3076

Protanomaly

51.5713, 0.2948, 0.3067

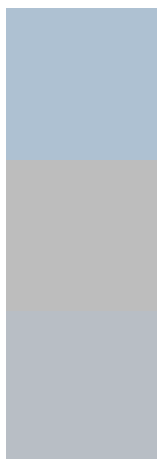
Deuteranomaly

51.6167, 0.2972, 0.3010

Tritanomaly

51.7420, 0.2867, 0.3088

Monochromacy



Original Color

51.7917, 0.2860, 0.3076

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.0485, 0.3027, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7917, 0.2860, 0.3076 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(174, 193, 210)` looks like.

```
.text, #text, p{  
    color:rgb(174, 193, 210)  
}
```

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(174, 193, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 193, 210) }
```

Border

The CSS property to change the border of an element to Yxy 51.7917, 0.2860, 0.3076 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(174, 193, 210) }
```

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

```
.border{ border-color:rgb(174, 193, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 193, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 193, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 193, 210);  
box-shadow:4px 4px 4px 4px rgb(174, 193,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7917, 0.2860, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 193, 210) }
```

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

```
.background{ background-color: rgb(174,  
193, 210) }
```

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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