

Converting Colors

$Y_{xy}(49.6172, 0.2845, 0.3150)$

Have a look what the booklet for
Yxy(49.6172, 0.2845, 0.3150)
contains.

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Color

Yxy(49.5252, 0.2847, 0.3146)

Conversions

Conversions Part 1

Format	Color
Hex	A5BFCA
RGB	165, 191, 202
RGB Percent	65%, 75%, 79%
CMY	0.3527, 0.2510, 0.2078
CMYK	0.18, 0.05, 0.00, 0.21
HSL	198°, 26%, 72%
HSV	198°, 18%, 79%
XYZ	44.8183, 49.5252, 63.0793
YIQ	184.4800, -19.0270, -2.0910

Conversions

Conversions Part 2

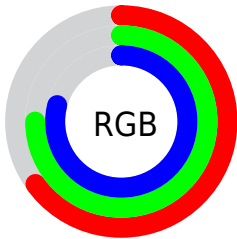
Format	Color
R_{YB}	165, 180, 202
Decimal	10862538
CIE _{Lab}	75.78, -6.42, -8.49
CIE _{LCh}	76, 10.643, 232.917
Yxy	49.5252, 0.2847, 0.3146
Android (android.graphics.Color)	4289052618 (0xFFA5BFCA)
YUV	184.4800, 8.6374, -17.0840
Hunter-Lab	70.3741, -9.4758, -3.8822

Details

The Yxy color **49.5252, 0.2847, 0.3146** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.3590, 0.3455, 0.3430**, and the grayscale version is **48.1778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9572, 0.2915, 0.3208**, and **23.8258, 0.2775, 0.3112** is the 20% darker color. If you saturate the color by 10%, you get **44.9544, 0.2696, 0.3056**, and if you desaturate by 10%, it is **54.5504, 0.3000, 0.3228**.

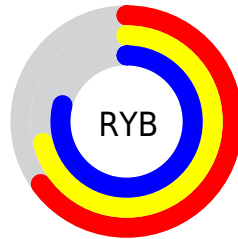
Distribution



Red (65%)

Green (75%)

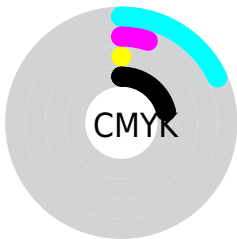
Blue (79%)



Red (65%)

Yellow (71%)

Blue (79%)

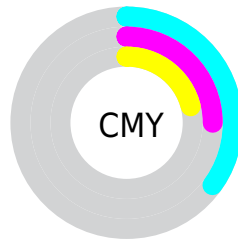


Cyan (18%)

Magenta (5%)

Yellow (0%)

Black (21%)



Cyan (35%)

Magenta (25%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5252, 0.2847, 0.3146 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 49.5252, 0.2847, 0.3146 by changing the saturation by 10% instead.

■ 49.5252, 0.2847,
0.3146

■ 49.5252, 0.2847,
0.3146

■ 384.8063, 0.2985,
0.3218

■ 35.0363, 0.2813,
0.3128

■ 89.4710, 0.2896,
0.3172

■ 23.6908, 0.2771,
0.3104

■ 115.6967, 0.2915,
0.3182

■ 15.1044, 0.2715,
0.3073

■ 146.6034, 0.2931,
0.3191

■ 8.8927, 0.2638,
0.3030

■ 182.5755, 0.2945,
0.3198

■ 4.6713, 0.2527,
0.2964

■ 223.9975, 0.2957,
0.3204

■ 2.0557, 0.2351,
0.2857

■ 271.2536, 0.2967,

■ 0.6395, 0.1865,

0.3209

0.2644

324.7285, 0.2976,
0.3214

0.0000, 0.0000,
0.0000

49.5252, 0.2847,
0.3146

49.5252, 0.2847,
0.3146

44.9544, 0.2696,
0.3056

54.5504, 0.3000,
0.3228

40.8146, 0.2551,
0.2960

60.0401, 0.3153,
0.3302

37.0891, 0.2415,
0.2857

66.0116, 0.3304,
0.3369

33.7578, 0.2291,
0.2749

72.4795, 0.3450,
0.3428

30.7984, 0.2184,
0.2637

77.2982, 0.3507,
0.3485

■ 28.1857, 0.2095,
0.2524

■ 80.5395, 0.3495,
0.3545

■ 25.8903, 0.2025,
0.2411

■ 83.8961, 0.3483,
0.3604

■ 23.8681, 0.1975,
0.2300

■ 87.3692, 0.3472,
0.3662

■ 23.5387, 0.1967,
0.2281

■ 90.9600, 0.3460,
0.3719

Harmonies

Analogous

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



49.5252, 0.2883, 0.3270



49.5252, 0.2847, 0.3146



49.5252, 0.2884, 0.3065

Triad

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



49.5252, 0.2847, 0.3146



49.5252, 0.3271, 0.3180



49.5252, 0.3266, 0.3547

Complementary

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



49.5252, 0.2847, 0.3146



46.3590, 0.3455, 0.3430

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.



49.5252, 0.3374, 0.3515



49.5252, 0.2847, 0.3146



49.5252, 0.3378, 0.3302

Square

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



49.5252, 0.2847, 0.3146



49.5252, 0.3127, 0.3087



49.5252, 0.3416, 0.3424



49.5252, 0.3122, 0.3506

Rectangle

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



49.5252, 0.2847, 0.3146



49.5252, 0.2946, 0.3044



49.5252, 0.3416, 0.3424



49.5252, 0.3308, 0.3544

Sweetspot

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



49.5272, 0.2847, 0.3146



95.2591, 0.3050, 0.3253



53.3672, 0.3032, 0.3640



20.2503, 0.3039, 0.3247



0.0000, 0.0000, 0.0000



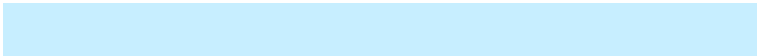
21.4041, 0.3127, 0.3290

Same Dimension

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



49.5272, 0.2847, 0.3146



80.6534, 0.2786, 0.3111



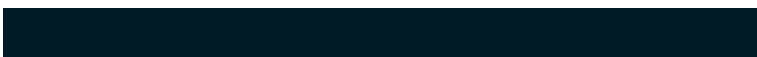
42.1829, 0.2834, 0.2905



12.1400, 0.2983, 0.3219



15.3071, 0.1971, 0.2296



0.9182, 0.2032, 0.2513

Inverse Universe

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



43.2509, 0.3243, 0.2970



68.2496, 0.3273, 0.2897



53.8619, 0.3416, 0.3647



11.3445, 0.3182, 0.3129



9.3482, 0.4130, 0.2049



0.4952, 0.3909, 0.1927

Previews

White Background



This preview shows how the Yxy color 49.5252, 0.2847, 0.3146 looks on a white background.

Color Contrast Check

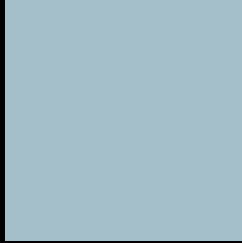
Large Text (above 18pt) WCAG AA × Fail

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 49.5252, 0.2847, 0.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

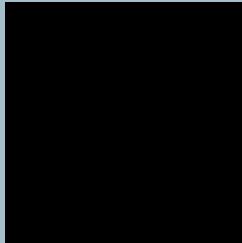
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

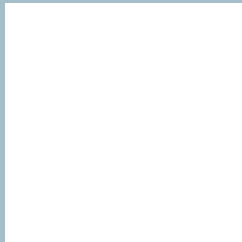
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.5252, 0.2847, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 49.5252, 0.2847, 0.3146.



This preview shows how white text looks on a background with the Yxy color 49.5252, 0.2847, 0.3146.

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

49.5252, 0.2847, 0.3146

Protanopia

49.2142, 0.3036, 0.3126

Deuteranopia

49.1431, 0.3073, 0.3009



Tritanopia

49.3901, 0.2826, 0.3083

Trichromacy



Original Color

49.5252, 0.2847, 0.3146

Protanomaly

49.1291, 0.2965, 0.3137

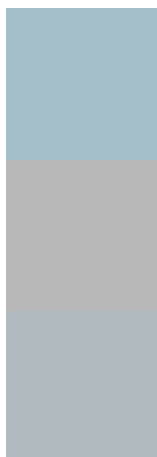
Deuteranomaly

49.3240, 0.2991, 0.3065

Tritanomaly

49.3417, 0.2833, 0.3095

Monochromacy



Original Color

49.5252, 0.2847, 0.3146

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.6493, 0.3015, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5252, 0.2847, 0.3146 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(165, 191, 202)` looks like.

```
.text, #text, p{  
    color:rgb(165, 191, 202)  
}
```

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(165, 191, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 191, 202) }
```

Border

The CSS property to change the border of an element to Yxy 49.5252, 0.2847, 0.3146 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(165, 191, 202) }
```

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

```
.border{ border-color:rgb(165, 191, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 191, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 191, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 191, 202);  
box-shadow:4px 4px 4px 4px rgb(165, 191,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5252, 0.2847, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 191, 202) }
```

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

```
.background{ background-color: rgb(165,  
191, 202) }
```

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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