

Converting Colors

$Y_{xy}(45.7945, 0.2796, 0.2870)$

Have a look what the booklet for
Yxy(45.7945, 0.2796, 0.2870)
contains.

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Color

Yxy(45.8816, 0.2793, 0.2867)

Conversions

Conversions Part 1

Format	Color
Hex	A9B4D5
RGB	169, 180, 213
RGB Percent	66%, 71%, 84%
CMY	0.3372, 0.2941, 0.1647
CMYK	0.21, 0.15, 0.00, 0.16
HSL	225°, 34%, 75%
HSV	225°, 21%, 84%
XYZ	44.6974, 45.8816, 69.4545
YIQ	180.4730, -17.1490, 7.9310

Conversions

Conversions Part 2

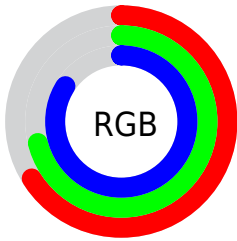
Format	Color
RYB	169, 178, 213
Decimal	11121877
CIELab	73.47, 3.18, -17.91
CIELCh	73, 18.189, 280.074
Yxy	45.8816, 0.2793, 0.2867
Android (android.graphics.Color)	4289311957 (0xFFA9B4D5)
YUV	180.4730, 16.0358, -10.0618
Hunter-Lab	67.7360, -0.7500, -13.3791

Details

The Yxy color $45.8816, 0.2793, 0.2867$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $59.2680, 0.3461, 0.3680$, and the grayscale version is $45.8310, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.2185, 0.2942, 0.3096$, and $21.3604, 0.2698, 0.2749$ is the 20% darker color. If you saturate the color by 10%, you get $37.6297, 0.2613, 0.2625$, and if you desaturate by 10%, it is $55.2654, 0.2962, 0.3085$.

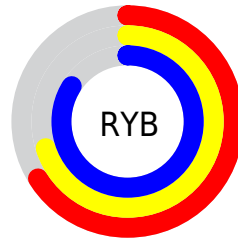
Distribution



Red (66%)

Green (71%)

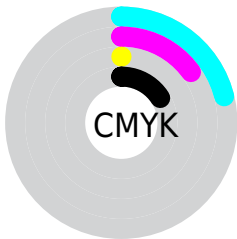
Blue (84%)



Red (66%)

Yellow (70%)

Blue (84%)

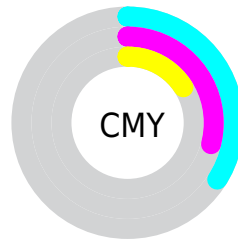


Cyan (21%)

Magenta (15%)

Yellow (0%)

Black (16%)



Cyan (34%)

Magenta (29%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8816, 0.2793, 0.2867 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 45.8816, 0.2793, 0.2867 by changing the saturation by 10% instead.

■ 45.8816, 0.2793,
0.2867

■ 45.8816, 0.2793,
0.2867

■ 370.3324, 0.2960,
0.3076

■ 32.1524, 0.2752,
0.2816

■ 84.0418, 0.2853,
0.2942

■ 21.4779, 0.2699,
0.2751

■ 109.2415, 0.2876,
0.2971

■ 13.4738, 0.2629,
0.2666

■ 139.0336, 0.2895,
0.2995

■ 7.7556, 0.2533,
0.2549

■ 173.8024, 0.2912,
0.3015

■ 3.9390, 0.2393,
0.2381

■ 213.9323, 0.2926,
0.3033

■ 1.6395, 0.2170,
0.2120

■ 259.8076, 0.2939,

■ 0.3840, 0.1650,

0.3049

0.1431

311.8129, 0.2950,
0.3063

0.0000, 0.0000,
0.0000

45.8816, 0.2793,
0.2867

45.8816, 0.2793,
0.2867

37.6297, 0.2613,
0.2625

55.2654, 0.2962,
0.3085

30.4604, 0.2426,
0.2363

65.8168, 0.3118,
0.3278

24.3288, 0.2237,
0.2085

77.5767, 0.3259,
0.3448

19.1846, 0.2055,
0.1800

90.5825, 0.3387,
0.3597

14.9733, 0.1889,
0.1521

97.5844, 0.3376,
0.3701

■ 11.6342, 0.1749,
0.1263

■ 9.0986, 0.1644,
0.1041

■ 7.3646, 0.1576,
0.0873

Harmonies

Analogous

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



45.8816, 0.2664, 0.2943



45.8816, 0.2793, 0.2867



45.8816, 0.3013, 0.2898

Triad

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



45.8816, 0.2793, 0.2867



45.8816, 0.3625, 0.3429



45.8816, 0.2971, 0.3581

Complementary

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



45.8816, 0.2793, 0.2867



59.2680, 0.3461, 0.3680

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.



45.8816, 0.3225, 0.3722



45.8816, 0.2793, 0.2867



45.8816, 0.3609, 0.3620

Square

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



45.8816, 0.2793, 0.2867



45.8816, 0.3500, 0.3213



45.8816, 0.3461, 0.3733



45.8816, 0.2764, 0.3354

Rectangle

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



45.8816, 0.2793, 0.2867



45.8816, 0.3186, 0.2972



45.8816, 0.3461, 0.3733



45.8816, 0.3054, 0.3641

Sweetspot

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



45.8835, 0.2793, 0.2867



90.1044, 0.3035, 0.3177



60.2939, 0.2888, 0.3427



19.0640, 0.3025, 0.3164



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.



45.8835, 0.2793, 0.2867



63.0310, 0.2711, 0.2759



42.8941, 0.2872, 0.2736



12.5072, 0.2982, 0.3110



4.6357, 0.1582, 0.0896



0.4122, 0.1676, 0.1233

Inverse Universe

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



45.8264, 0.3437, 0.3158



63.1435, 0.3527, 0.3127



63.0151, 0.3350, 0.3816



12.4711, 0.3252, 0.3232



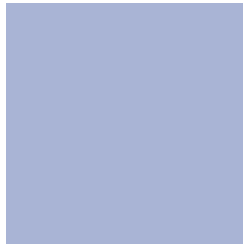
8.8128, 0.5918, 0.3034



0.5449, 0.5419, 0.2759

Previews

White Background



This preview shows how the Yxy color 45.8816, 0.2793, 0.2867 looks on a white background.

Color Contrast Check

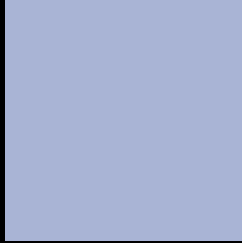
Large Text (above 18pt) WCAG AA × Fail

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 45.8816, 0.2793, 0.2867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

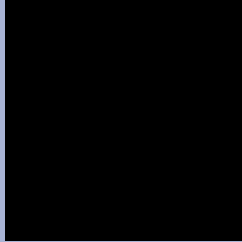
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8816, 0.2793, 0.2867

Background



This preview shows how black text looks on a background with the Yxy color 45.8816, 0.2793, 0.2867.



This preview shows how white text looks on a background with the Yxy color 45.8816, 0.2793, 0.2867.

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

45.8816, 0.2793, 0.2867

Protanopia

45.9923, 0.2837, 0.2871

Deuteranopia

45.7295, 0.2876, 0.2815



Tritanopia

46.0052, 0.2884, 0.3104

Trichromacy



Original Color

45.8816, 0.2793, 0.2867

Protanomaly

45.7643, 0.2822, 0.2869

Deuteranomaly

45.6464, 0.2845, 0.2824

Tritanomaly

45.9832, 0.2849, 0.3015

Monochromacy



Original Color

45.8816, 0.2793, 0.2867

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6784, 0.3000, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8816, 0.2793, 0.2867 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(169, 180, 213)` looks like.

```
.text, #text, p{  
    color:rgb(169, 180, 213)  
}
```

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(169, 180, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 180, 213) }
```

Border

The CSS property to change the border of an element to Yxy 45.8816, 0.2793, 0.2867 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(169, 180, 213) }
```

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

```
.border{ border-color:rgb(169, 180, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 180, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 180, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 180, 213);  
box-shadow:4px 4px 4px 4px rgb(169, 180,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8816, 0.2793, 0.2867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 180, 213) }
```

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

```
.background{ background-color: rgb(169,  
180, 213) }
```

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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