

Converting Colors

$Y_{xy}(45.9776, 0.2825, 0.2967)$

Have a look what the booklet for
Yxy(45.9776, 0.2825, 0.2967)
contains.

Yxy(46.1276, 0.2828, 0.2978)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.1276, 0.2828, 0.2978)

Conversions

Conversions Part 1

Format	Color
Hex	A7B6CE
RGB	167, 182, 206
RGB Percent	65%, 71%, 81%
CMY	0.3450, 0.2863, 0.1923
CMYK	0.19, 0.12, 0.00, 0.19
HSL	217°, 28%, 73%
HSV	217°, 19%, 81%
XYZ	43.8042, 46.1276, 64.9628
YIQ	180.2510, -16.6440, 4.2840

Conversions

Conversions Part 2

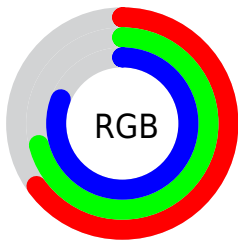
Format	Color
RYB	167, 178, 206
Decimal	10991310
CIELab	73.63, -0.11, -13.84
CIELCh	74, 13.839, 269.529
Yxy	46.1276, 0.2828, 0.2978
Android (android.graphics.Color)	4289181390 (0xFFA7B6CE)
YUV	180.2510, 12.6943, -11.6211
Hunter-Lab	67.9173, -3.7293, -9.1687

Details

The Yxy color $46.1276, 0.2828, 0.2978$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $53.1606, 0.3441, 0.3584$, and the grayscale version is $45.7226, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.8987, 0.2924, 0.3115$, and $21.6124, 0.2745, 0.2882$ is the 20% darker color. If you saturate the color by 10%, you get $39.1037, 0.2658, 0.2786$, and if you desaturate by 10%, it is $53.9823, 0.2990, 0.3151$.

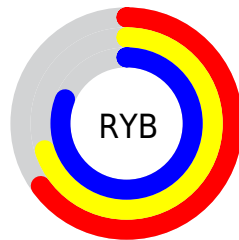
Distribution



Red (65%)

Green (71%)

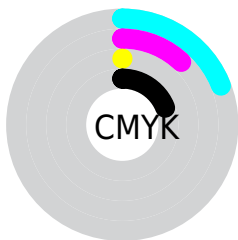
Blue (81%)



Red (65%)

Yellow (70%)

Blue (81%)

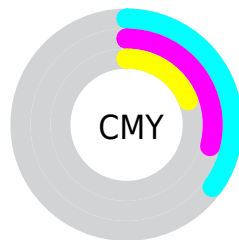


Cyan (19%)

Magenta (12%)

Yellow (0%)

Black (19%)



Cyan (35%)

Magenta (29%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1276, 0.2828, 0.2978 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 46.1276, 0.2828, 0.2978 by changing the saturation by 10% instead.

■ 46.1276, 0.2828,
0.2978

■ 46.1276, 0.2828,
0.2978

■ 371.3214, 0.2977,
0.3133

■ 32.3465, 0.2791,
0.2940

■ 84.4099, 0.2882,
0.3034

■ 21.6263, 0.2744,
0.2890

■ 109.6800, 0.2902,
0.3055

■ 13.5826, 0.2682,
0.2825

■ 139.5485, 0.2919,
0.3073

■ 7.8309, 0.2596,
0.2735

■ 174.3998, 0.2934,
0.3089

■ 3.9870, 0.2469,
0.2603

■ 214.6184, 0.2947,
0.3102

■ 1.6663, 0.2266,
0.2391

■ 260.5886, 0.2958,

■ 0.4017, 0.1680,

0.3114

0.1780

312.6948, 0.2968,
0.3124

0.0000, 0.0000,
0.0000

46.1276, 0.2828,
0.2978

46.1276, 0.2828,
0.2978

39.1037, 0.2658,
0.2786

53.9823, 0.2990,
0.3151

32.8756, 0.2485,
0.2576

62.6898, 0.3143,
0.3306

27.4141, 0.2312,
0.2351

72.2783, 0.3286,
0.3443

22.6858, 0.2146,
0.2116

82.7730, 0.3418,
0.3563

18.6542, 0.1993,
0.1877

91.2403, 0.3435,
0.3681

■ 15.2793, 0.1861,
0.1643

■ 97.2344, 0.3418,
0.3771

■ 12.5157, 0.1755,
0.1424

■ 10.2981, 0.1676,
0.1226

■ 10.0809, 0.1668,
0.1206

Harmonies

Analogous

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



46.1276, 0.2759, 0.3067



46.1276, 0.2828, 0.2978



46.1276, 0.2976, 0.2971

Triad

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



46.1276, 0.2828, 0.2978



46.1276, 0.3482, 0.3341



46.1276, 0.3076, 0.3556

Complementary

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



46.1276, 0.2828, 0.2978



53.1606, 0.3441, 0.3584

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.



46.1276, 0.3271, 0.3630



46.1276, 0.2828, 0.2978



46.1276, 0.3509, 0.3498

Square

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



46.1276, 0.2828, 0.2978



46.1276, 0.3356, 0.3177



46.1276, 0.3431, 0.3606



46.1276, 0.2899, 0.3403

Rectangle

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



46.1276, 0.2828, 0.2978



46.1276, 0.3103, 0.3012



46.1276, 0.3431, 0.3606



46.1276, 0.3142, 0.3591

Sweetspot

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



46.1295, 0.2828, 0.2978



91.3529, 0.3035, 0.3197



56.0771, 0.2946, 0.3490



19.3585, 0.3024, 0.3187



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.



46.1295, 0.2828, 0.2978



69.6210, 0.2754, 0.2896



40.7483, 0.2848, 0.2781



11.5398, 0.2983, 0.3143



6.3847, 0.1676, 0.1233



0.4752, 0.1786, 0.1630

Inverse Universe

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



44.1394, 0.3357, 0.3106



66.0079, 0.3424, 0.3061



59.4816, 0.3378, 0.3762



11.2839, 0.3231, 0.3201



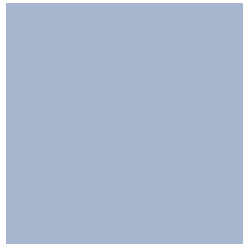
8.4475, 0.5420, 0.2760



0.4505, 0.4893, 0.2469

Previews

White Background



This preview shows how the Yxy color 46.1276, 0.2828, 0.2978 looks on a white background.

Color Contrast Check

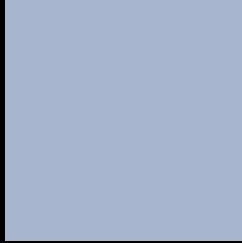
Large Text (above 18pt) WCAG AA × Fail

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 46.1276, 0.2828, 0.2978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

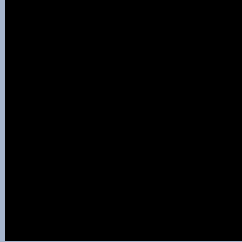
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

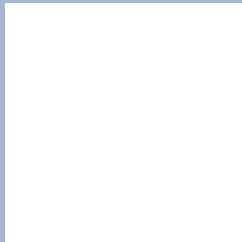
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1276, 0.2828, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 46.1276, 0.2828, 0.2978.



This preview shows how white text looks on a background with the Yxy color 46.1276, 0.2828, 0.2978.

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

46.1276, 0.2828, 0.2978

Protanopia

45.9469, 0.2918, 0.2970

Deuteranopia

45.9948, 0.2968, 0.2903



Tritanopia

46.0512, 0.2877, 0.3092

Trichromacy



Original Color

46.1276, 0.2828, 0.2978

Protanomaly

45.9345, 0.2880, 0.2968

Deuteranomaly

45.9295, 0.2912, 0.2922

Tritanomaly

46.1910, 0.2856, 0.3053

Monochromacy



Original Color

46.1276, 0.2828, 0.2978

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.8358, 0.3015, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1276, 0.2828, 0.2978 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(167, 182, 206)` looks like.

```
.text, #text, p{  
    color:rgb(167, 182, 206)  
}
```

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(167, 182, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 182, 206) }
```

Border

The CSS property to change the border of an element to Yxy 46.1276, 0.2828, 0.2978 is called "border". The border property can be set on classes, ids or directly on the HTML element.

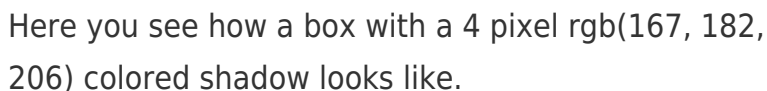
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 182, 206) }
```

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

```
.border{ border-color:rgb(167, 182, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 182, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 182, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 182, 206);  
box-shadow:4px 4px 4px 4px rgb(167, 182,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1276, 0.2828, 0.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 182, 206) }
```

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

```
.background{ background-color: rgb(167,  
182, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor