

Converting Colors

$Yxy(45.8477, 0.2855, 0.3029)$

Have a look what the booklet for
Yxy(45.8477, 0.2855, 0.3029)
contains.

Yxy(45.9357, 0.2856, 0.3028)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.9357, 0.2856, 0.3028)

Conversions

Conversions Part 1

Format	Color
Hex	A7B6CA
RGB	167, 182, 202
RGB Percent	65%, 71%, 79%
CMY	0.3450, 0.2863, 0.2080
CMYK	0.17, 0.10, 0.00, 0.21
HSL	214°, 25%, 72%
HSV	214°, 17%, 79%
XYZ	43.3264, 45.9357, 62.4410
YIQ	179.7950, -15.3600, 3.0400

Conversions

Conversions Part 2

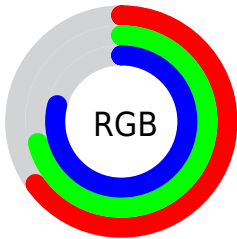
Format	Color
RYB	167, 178, 202
Decimal	10991306
CIELab	73.50, -0.99, -11.85
CIELCh	74, 11.887, 265.239
Yxy	45.9357, 0.2856, 0.3028
Android (android.graphics.Color)	4289181386 (0xFFA7B6CA)
YUV	179.7950, 10.9471, -11.2212
Hunter-Lab	67.7759, -4.4999, -7.1800

Details

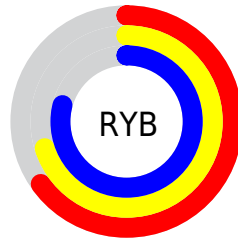
The Yxy color **45.9357, 0.2856, 0.3028** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.8841, 0.3415, 0.3539**, and the grayscale version is **45.4752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8987, 0.2924, 0.3115**, and **21.4835, 0.2782, 0.2949** is the 20% darker color. If you saturate the color by 10%, you get **39.3715, 0.2690, 0.2853**, and if you desaturate by 10%, it is **53.2371, 0.3016, 0.3186**.

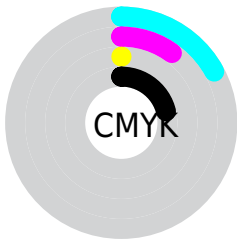
Distribution



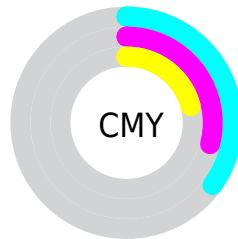
- Red (65%)
- Green (71%)
- Blue (79%)



- Red (65%)
- Yellow (70%)
- Blue (79%)



- Cyan (17%)
- Magenta (10%)
- Yellow (0%)
- Black (21%)





- Cyan (35%)
- Magenta (29%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9357, 0.2856, 0.3028 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 45.9357, 0.2856, 0.3028 by changing the saturation by 10% instead.


 45.9357, 0.2856,
0.3028


 45.9357, 0.2856,
0.3028

370.5501, 0.2991,
0.3159

 32.1951, 0.2822,
0.2995


 84.1228, 0.2905,
0.3076

 21.5106, 0.2780,
0.2954


 109.3380, 0.2923,
0.3093

 13.4977, 0.2723,
0.2898


139.1469, 0.2939,
0.3109

 7.7722, 0.2644,
0.2821

173.9338, 0.2952,
0.3122

 3.9495, 0.2528,
0.2706

214.0832, 0.2964,
0.3133

 1.6454, 0.2339,
0.2520

259.9795, 0.2974,

 0.3879, 0.1712,

0.3143

0.1928

312.0070, 0.2983,
0.3151

0.0000, 0.0000,
0.0000

45.9357, 0.2856,
0.3028

45.9357, 0.2856,
0.3028

39.3715, 0.2690,
0.2853

53.2371, 0.3016,
0.3186

33.5134, 0.2521,
0.2662

61.2938, 0.3167,
0.3326

28.3366, 0.2353,
0.2456

70.1304, 0.3309,
0.3451

23.8122, 0.2191,
0.2239

79.7688, 0.3441,
0.3560

19.9090, 0.2042,
0.2017

87.6770, 0.3471,
0.3668

■ 16.5923, 0.1911,
0.1796

■ 94.6805, 0.3449,
0.3776

■ 13.8233, 0.1804,
0.1584

■ 97.0429, 0.3442,
0.3811

■ 11.5519, 0.1724,
0.1388

■ 11.0043, 0.1705,
0.1337

Harmonies

Analogous

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



45.9357, 0.2808, 0.3115



45.9357, 0.2856, 0.3028



45.9357, 0.2976, 0.3011

Triad

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



45.9357, 0.2856, 0.3028



45.9357, 0.3421, 0.3314



45.9357, 0.3108, 0.3531

Complementary

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



45.9357, 0.2856, 0.3028



50.8841, 0.3415, 0.3539

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.



45.9357, 0.3274, 0.3584



45.9357, 0.2856, 0.3028



45.9357, 0.3458, 0.3453

Square

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



45.9357, 0.2856, 0.3028



45.9357, 0.3303, 0.3174



45.9357, 0.3403, 0.3553



45.9357, 0.2951, 0.3409

Rectangle

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



45.9357, 0.2856, 0.3028



45.9357, 0.3083, 0.3040



45.9357, 0.3403, 0.3553



45.9357, 0.3165, 0.3558

Sweetspot

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



45.9376, 0.2856, 0.3028



93.0999, 0.3050, 0.3219



54.0265, 0.2969, 0.3487



19.7254, 0.3039, 0.3208



0.0000, 0.0000, 0.0000



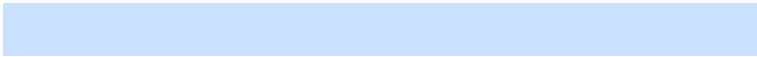
21.4041, 0.3127, 0.3290

Same Dimension

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



45.9376, 0.2856, 0.3028



73.2232, 0.2790, 0.2960



40.3859, 0.2866, 0.2828



11.6212, 0.2983, 0.3154



7.2526, 0.1712, 0.1362



0.5238, 0.1819, 0.1748

Inverse Universe

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



43.5781, 0.3320, 0.3104



68.6466, 0.3375, 0.3058



57.2483, 0.3366, 0.3718



11.2921, 0.3224, 0.3191



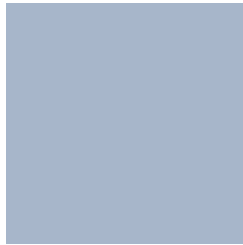
8.5351, 0.5242, 0.2661



0.4554, 0.4748, 0.2389

Previews

White Background



This preview shows how the Yxy color 45.9357, 0.2856, 0.3028 looks on a white background.

Color Contrast Check

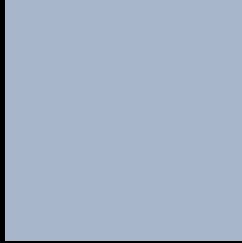
Large Text (above 18pt) WCAG AA × Fail

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 45.9357, 0.2856, 0.3028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

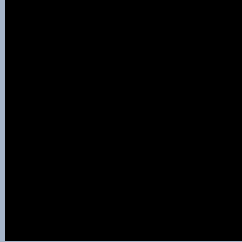
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

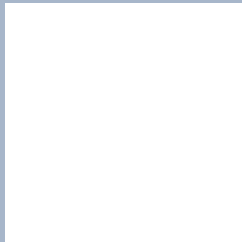
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9357, 0.2856, 0.3028

Background



This preview shows how black text looks on a background with the Yxy color 45.9357, 0.2856, 0.3028.



This preview shows how white text looks on a background with the Yxy color 45.9357, 0.2856, 0.3028.

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

45.9357, 0.2856, 0.3028

Protanopia

45.8753, 0.2956, 0.3020

Deuteranopia

45.9273, 0.3007, 0.2951



Tritanopia

46.0052, 0.2884, 0.3104

Trichromacy



Original Color

45.9357, 0.2856, 0.3028

Protanomaly

45.8582, 0.2917, 0.3018

Deuteranomaly

45.8559, 0.2950, 0.2971

Tritanomaly

46.0975, 0.2870, 0.3079

Monochromacy



Original Color

45.9357, 0.2856, 0.3028

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.7925, 0.3022, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9357, 0.2856, 0.3028 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(167, 182, 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(167, 182, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 182, 202) }
```

Border

The CSS property to change the border of an element to Yxy 45.9357, 0.2856, 0.3028 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, 202) }
```

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

```
.border{ border-color:rgb(167, 182, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 182, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 182, 202);  
box-shadow:4px 4px 4px 4px rgb(167, 182,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9357, 0.2856, 0.3028 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, 202) }
```

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

```
.background{ background-color: rgb(167,  
182, 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](#).

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