

Converting Colors

$Yxy(44.6640, 0.2795, 0.2836)$

Have a look what the booklet for
Yxy(44.6640, 0.2795, 0.2836)
contains.

Yxy(44.6328, 0.2797, 0.2839)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.6328, 0.2797, 0.2839)

Conversions

Conversions Part 1

Format	Color
Hex	A9B1D4
RGB	169, 177, 212
RGB Percent	66%, 69%, 83%
CMY	0.3372, 0.3059, 0.1685
CMYK	0.20, 0.17, 0.00, 0.17
HSL	229°, 33%, 75%
HSV	229°, 20%, 83%
XYZ	43.9725, 44.6328, 68.6078
YIQ	178.5980, -16.0030, 9.1890

Conversions

Conversions Part 2

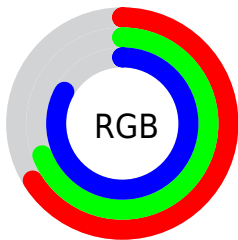
Format	Color
RYB	169, 176, 212
Decimal	11121108
CIELab	72.65, 4.60, -18.62
CIELCh	73, 19.178, 283.876
Yxy	44.6328, 0.2797, 0.2839
Android (android.graphics.Color)	4289311188 (0xFFA9B1D4)
YUV	178.5980, 16.4672, -8.4174
Hunter-Lab	66.8078, 0.5741, -14.1220

Details

The Yxy color **44.6328, 0.2797, 0.2839** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.0752, 0.3448, 0.3704**, and the grayscale version is **44.7738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5054, 0.2942, 0.3065**, and **20.8146, 0.2704, 0.2729** is the 20% darker color. If you saturate the color by 10%, you get **36.0815, 0.2613, 0.2577**, and if you desaturate by 10%, it is **54.4311, 0.2968, 0.3075**.

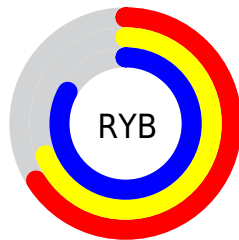
Distribution



Red (66%)

Green (69%)

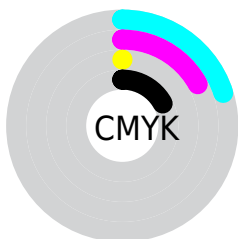
Blue (83%)



Red (66%)

Yellow (69%)

Blue (83%)

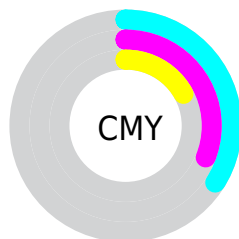


Cyan (20%)

Magenta (17%)

Yellow (0%)

Black (17%)



Cyan (34%)

Magenta (31%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6328, 0.2797, 0.2839 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 44.6328, 0.2797, 0.2839 by changing the saturation by 10% instead.

■ 44.6328, 0.2797,
0.2839

■ 44.6328, 0.2797,
0.2839

■ 365.2843, 0.2963,
0.3062

■ 31.1683, 0.2756,
0.2784

■ 82.1691, 0.2857,
0.2919

■ 20.7270, 0.2703,
0.2715

■ 107.0097, 0.2880,
0.2950

■ 12.9246, 0.2633,
0.2624

■ 136.4111, 0.2899,
0.2975

■ 7.3767, 0.2535,
0.2499

■ 170.7578, 0.2915,
0.2997

■ 3.6988, 0.2392,
0.2319

■ 210.4340, 0.2929,
0.3017

■ 1.5065, 0.2163,
0.2040

■ 255.8243, 0.2942,

■ 0.2933, 0.1586,

0.3034

0.1190

307.3129, 0.2953,
0.3049

0.0000, 0.0000,
0.0000

44.6328, 0.2797,
0.2839

44.6328, 0.2797,
0.2839

36.0815, 0.2613,
0.2577

54.4311, 0.2968,
0.3075

28.7213, 0.2420,
0.2292

65.5184, 0.3123,
0.3284

22.5001, 0.2224,
0.1992

77.9414, 0.3263,
0.3468

17.3598, 0.2034,
0.1688

91.7431, 0.3387,
0.3627

13.2368, 0.1861,
0.1396

97.5353, 0.3381,
0.3710

■ 10.0607, 0.1717,
0.1134

■ 7.7514, 0.1612,
0.0918

■ 6.2308, 0.1545,
0.0763

Harmonies

Analogous

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



44.6328, 0.2647, 0.2904



44.6328, 0.2797, 0.2839



44.6328, 0.3039, 0.2886

Triad

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



44.6328, 0.2797, 0.2839



44.6328, 0.3664, 0.3465



44.6328, 0.2928, 0.3573

Complementary

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



44.6328, 0.2797, 0.2839



60.0752, 0.3448, 0.3704

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.



44.6328, 0.3196, 0.3740



44.6328, 0.2797, 0.2839



44.6328, 0.3627, 0.3661

Square

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



44.6328, 0.2797, 0.2839



44.6328, 0.3548, 0.3237



44.6328, 0.3454, 0.3768



44.6328, 0.2720, 0.3324

Rectangle

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



44.6328, 0.2797, 0.2839



44.6328, 0.3225, 0.2972



44.6328, 0.3454, 0.3768



44.6328, 0.3014, 0.3642

Sweetspot

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



44.6346, 0.2797, 0.2839



89.5195, 0.3035, 0.3167



59.8732, 0.2879, 0.3397



18.9262, 0.3025, 0.3153



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.



44.6346, 0.2797, 0.2839



62.4038, 0.2726, 0.2738



43.0693, 0.2895, 0.2749



12.3780, 0.2982, 0.3094



3.9527, 0.1550, 0.0781



0.3517, 0.1635, 0.1085

Inverse Universe

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



45.5557, 0.3456, 0.3194



64.1703, 0.3538, 0.3174



62.1294, 0.3329, 0.3809



12.4581, 0.3262, 0.3247



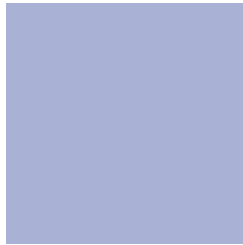
8.7439, 0.6100, 0.3134



0.5388, 0.5632, 0.2876

Previews

White Background



This preview shows how the Yxy color 44.6328, 0.2797, 0.2839 looks on a white background.

Color Contrast Check

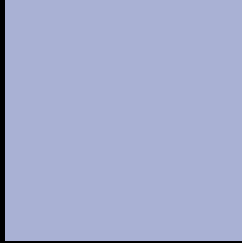
Large Text (above 18pt) WCAG AA × Fail

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 44.6328, 0.2797, 0.2839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

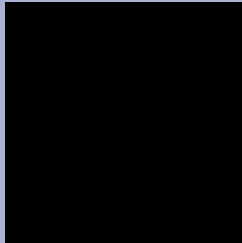
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.6328, 0.2797, 0.2839

Background



This preview shows how black text looks on a background with the Yxy color 44.6328, 0.2797, 0.2839.



This preview shows how white text looks on a background with the Yxy color 44.6328, 0.2797, 0.2839.

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

44.6328, 0.2797, 0.2839

Protanopia

44.4621, 0.2812, 0.2828

Deuteranopia

44.5412, 0.2858, 0.2798



Tritanopia

44.6445, 0.2904, 0.3103

Trichromacy



Original Color

44.6328, 0.2797, 0.2839

Protanomaly

44.3502, 0.2804, 0.2827

Deuteranomaly

44.5780, 0.2835, 0.2808

Tritanomaly

44.6727, 0.2861, 0.3000

Monochromacy



Original Color

44.6328, 0.2797, 0.2839

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.7163, 0.2999, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6328, 0.2797, 0.2839 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, 177, 212)` looks like.

```
.text, #text, p{  
    color:rgb(169, 177, 212)  
}
```

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, 177, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 177, 212) }
```

Border

The CSS property to change the border of an element to Yxy 44.6328, 0.2797, 0.2839 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, 177, 212) }
```

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

```
.border{ border-color:rgb(169, 177, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 177, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 177, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 177, 212);  
box-shadow:4px 4px 4px 4px rgb(169, 177,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6328, 0.2797, 0.2839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 177, 212) }
```

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

```
.background{ background-color: rgb(169,  
177, 212) }
```

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