

Converting Colors

$Yxy(42.7882, 0.2848, 0.2832)$

Have a look what the booklet for
Yxy(42.7882, 0.2848, 0.2832)
contains.

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Color

Yxy(42.7807, 0.2853, 0.2836)

Conversions

Conversions Part 1

Format	Color
Hex	ACACCF
RGB	172, 172, 207
RGB Percent	67%, 67%, 81%
CMY	0.3253, 0.3255, 0.1882
CMYK	0.17, 0.17, 0.00, 0.19
HSL	240°, 27%, 74%
HSV	240°, 17%, 81%
XYZ	43.0371, 42.7807, 65.0309
YIQ	175.9900, -11.2350, 10.8850

Conversions

Conversions Part 2

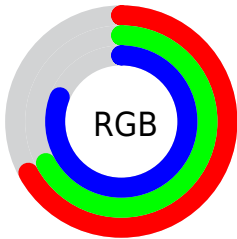
Format	Color
RYB	172, 172, 207
Decimal	11316431
CIELab	71.41, 7.20, -17.73
CIELCh	71, 19.135, 292.097
Yxy	42.7807, 0.2853, 0.2836
Android (android.graphics.Color)	4289506511 (0xFFACACCF)
YUV	175.9900, 15.2879, -3.4992
Hunter-Lab	65.4070, 2.9891, -13.1642

Details

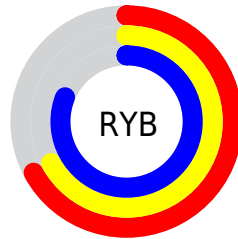
The Yxy color $42.7807, 0.2853, 0.2836$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $60.8714, 0.3379, 0.3707$, and the grayscale version is $43.3382, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6522, 0.2960, 0.3003$, and $19.6548, 0.2765, 0.2707$ is the 20% darker color. If you saturate the color by 10%, you get $33.3472, 0.2664, 0.2523$, and if you desaturate by 10%, it is $53.8088, 0.3022, 0.3116$.

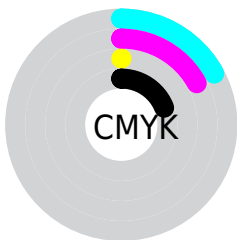
Distribution



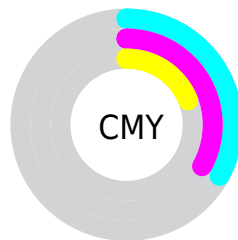
- Red (67%)
- Green (67%)
- Blue (81%)



- Red (67%)
- Yellow (67%)
- Blue (81%)



- Cyan (17%)
- Magenta (17%)
- Yellow (0%)
- Black (19%)



- Cyan (33%)
- Magenta (33%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7807, 0.2853, 0.2836 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 42.7807, 0.2853, 0.2836 by changing the saturation by 10% instead.

■ 42.7807, 0.2853,
0.2836

■ 42.7807, 0.2853,
0.2836

357.7091, 0.2992,
0.3061

■ 29.7131, 0.2818,
0.2781

■ 79.3798, 0.2904,
0.2917

■ 19.6209, 0.2772,
0.2710

103.6801, 0.2923,
0.2948

■ 12.1198, 0.2711,
0.2617

132.4934, 0.2939,
0.2974

■ 6.8253, 0.2625,
0.2490

166.2042, 0.2953,
0.2996

■ 3.3531, 0.2497,
0.2304

205.1967, 0.2965,
0.3016

■ 1.3187, 0.2285,
0.2013

249.8555, 0.2975,

■ 0.1556, 0.1651,

0.3033

0.0794

300.5648, 0.2984,
0.3048

0.0000, 0.0000,
0.0000

42.7807, 0.2853,
0.2836

42.7807, 0.2853,
0.2836

33.3472, 0.2664,
0.2523

53.8088, 0.3022,
0.3116

25.4296, 0.2458,
0.2183

66.4949, 0.3171,
0.3362

18.9505, 0.2244,
0.1828

80.9054, 0.3299,
0.3575

13.8235, 0.2032,
0.1478

97.1014, 0.3410,
0.3759

9.9530, 0.1839,
0.1159

97.2858, 0.3412,
0.3760

■ 7.2311, 0.1681,
0.0898

■ 5.5314, 0.1572,
0.0717

■ 4.6875, 0.1513,
0.0621

■ 4.5081, 0.1501,
0.0600

Harmonies

Analogous

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



42.7807, 0.2671, 0.2870



42.7807, 0.2853, 0.2836



42.7807, 0.3115, 0.2913

Triad

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



42.7807, 0.2853, 0.2836



42.7807, 0.3676, 0.3527



42.7807, 0.2860, 0.3513

Complementary

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



42.7807, 0.2853, 0.2836



60.8714, 0.3379, 0.3707

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.



42.7807, 0.3121, 0.3712



42.7807, 0.2853, 0.2836



42.7807, 0.3597, 0.3706

Square

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



42.7807, 0.2853, 0.2836



42.7807, 0.3599, 0.3299



42.7807, 0.3391, 0.3781



42.7807, 0.2675, 0.3252

Rectangle

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



42.7807, 0.2853, 0.2836



42.7807, 0.3302, 0.3015



42.7807, 0.3391, 0.3781



42.7807, 0.2941, 0.3590

Sweetspot

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



42.7825, 0.2853, 0.2836



89.7985, 0.3051, 0.3165



57.9091, 0.2874, 0.3289



18.9255, 0.3040, 0.3146



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.



42.7825, 0.2853, 0.2836



63.2551, 0.2792, 0.2736



44.8897, 0.2997, 0.2855



11.4186, 0.2982, 0.3050



2.8402, 0.1501, 0.0600



0.1591, 0.1503, 0.0601

Inverse Universe

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



47.2715, 0.3147, 0.2875



71.6602, 0.3151, 0.2792



58.4952, 0.3240, 0.3726



12.0087, 0.3138, 0.3061



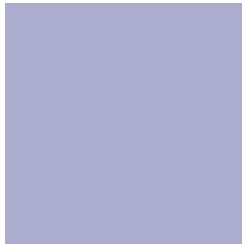
11.1857, 0.3213, 0.1544



0.6255, 0.3213, 0.1543

Previews

White Background



This preview shows how the Yxy color 42.7807, 0.2853, 0.2836 looks on a white background.

Color Contrast Check

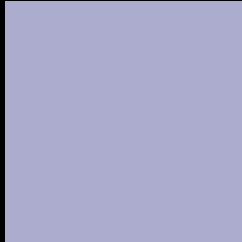
Large Text (above 18pt) WCAG AA × Fail

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 42.7807, 0.2853, 0.2836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

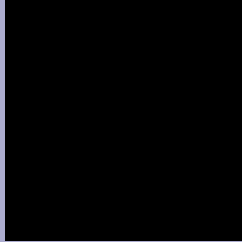
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7807, 0.2853, 0.2836

Background



This preview shows how black text looks on a background with the Yxy color 42.7807, 0.2853, 0.2836.



This preview shows how white text looks on a background with the Yxy color 42.7807, 0.2853, 0.2836.

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

42.7807, 0.2853, 0.2836

Protanopia

42.7660, 0.2814, 0.2833

Deuteranopia

42.8609, 0.2885, 0.2827



Tritanopia

42.7691, 0.2964, 0.3102

Trichromacy



Original Color

42.7807, 0.2853, 0.2836

Protanomaly

42.8762, 0.2822, 0.2834

Deuteranomaly

42.7448, 0.2877, 0.2826

Tritanomaly

42.8037, 0.2919, 0.2998

Monochromacy



Original Color

42.7807, 0.2853, 0.2836

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.3618, 0.3031, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7807, 0.2853, 0.2836 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(172, 172, 207)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 207)  
}
```

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(172, 172, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 207) }
```

Border

The CSS property to change the border of an element to Yxy 42.7807, 0.2853, 0.2836 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(172, 172, 207) }
```

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

```
.border{ border-color:rgb(172, 172, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 172, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 207);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7807, 0.2853, 0.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 172, 207) }
```

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

```
.background{ background-color: rgb(172,  
172, 207) }
```

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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