

Converting Colors

$Y_{xy}(28.7778, 0.3334, 0.2854)$

Have a look what the booklet for
Yxy(28.7778, 0.3334, 0.2854)
contains.

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Color

Yxy(28.8502, 0.3336, 0.2857)

Conversions

Conversions Part 1

Format	Color
Hex	B484A3
RGB	180, 132, 163
RGB Percent	71%, 52%, 64%
CMY	0.2941, 0.4824, 0.3608
CMYK	0.00, 0.27, 0.09, 0.29
HSL	321°, 24%, 61%
HSV	321°, 27%, 71%
XYZ	33.6872, 28.8502, 38.4434
YIQ	149.8860, 18.6570, 19.8170

Conversions

Conversions Part 2

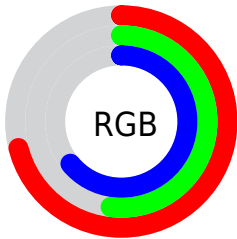
Format	Color
RYB	180, 132, 163
Decimal	11830435
CIELab	60.65, 23.46, -9.20
CIELCh	61, 25.200, 338.580
Yxy	28.8502, 0.3336, 0.2857
Android (android.graphics.Color)	4290020515 (0xFFB484A3)
YUV	149.8860, 6.4652, 26.4100
Hunter-Lab	53.7124, 17.9544, -4.8368

Details

The Yxy color **28.8502, 0.3336, 0.2857** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.7248, 0.2965, 0.3767**, and the grayscale version is **30.4156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5927, 0.3292, 0.2935**, and **11.6943, 0.3416, 0.2729** is the 20% darker color. If you saturate the color by 10%, you get **24.1604, 0.3440, 0.2690**, and if you desaturate by 10%, it is **34.3965, 0.3247, 0.3024**.

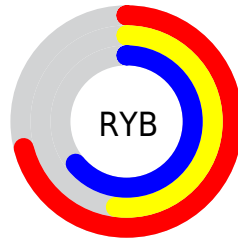
Distribution



Red (71%)

Green (52%)

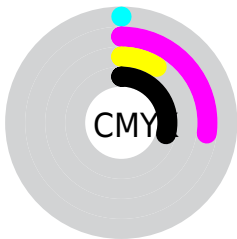
Blue (64%)



Red (71%)

Yellow (52%)

Blue (64%)

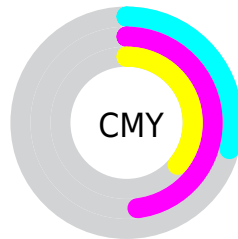


Cyan (0%)

Magenta (27%)

Yellow (9%)

Black (29%)



Cyan (29%)


Magenta (48%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8502, 0.3336, 0.2857 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 28.8502, 0.3336, 0.2857 by changing the saturation by 10% instead.


 28.8502, 0.3336,
0.2857


 28.8502, 0.3336,
0.2857


296.5075, 0.3227,
0.3083


 18.9675, 0.3365,
0.2797


 57.8390, 0.3295,
0.2941

 11.6468, 0.3403,
0.2719


 77.7139, 0.3280,
0.2972

 6.5037, 0.3455,
0.2611


 101.6884, 0.3268,
0.2998

 3.1537, 0.3532,
0.2453

130.1468, 0.3257,
0.3020

 1.2125, 0.3654,
0.2201

163.4735, 0.3248,
0.3039

 0.0719, 0.4468,
0.0501

202.0529, 0.3240,

 0.0000, 0.0000,

0.3056

0.0000

246.2694, 0.3233,
0.3070

■ 28.8502, 0.3336,
0.2857

■ 28.8502, 0.3336,
0.2857

■ 24.1604, 0.3440,
0.2690

■ 34.3965, 0.3247,
0.3024

■ 20.2798, 0.3559,
0.2529

■ 40.8359, 0.3171,
0.3186

■ 17.1624, 0.3692,
0.2384

■ 48.2072, 0.3107,
0.3340

■ 14.7561, 0.3837,
0.2266

■ 56.5461, 0.3054,
0.3485

■ 13.0020, 0.3991,
0.2184

■ 65.8862, 0.3009,
0.3619

■ 11.8317, 0.4148,
0.2149

■ 76.2597, 0.2972,
0.3742

■ 11.1515, 0.4302,
0.2163

■ 85.7623, 0.2940,
0.3825

■ 10.9715, 0.4354,
0.2172

■ 86.0819, 0.2907,
0.3750

■ 86.4144, 0.2874,
0.3676

Harmonies

Analogous

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



28.8502, 0.2918, 0.2671



28.8502, 0.3336, 0.2857



28.8502, 0.3717, 0.3144

Triad

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



28.8502, 0.3336, 0.2857



28.8502, 0.3673, 0.4000



28.8502, 0.2384, 0.3016

Complementary

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



28.8502, 0.3336, 0.2857



39.7248, 0.2965, 0.3767

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.



28.8502, 0.2559, 0.3406



28.8502, 0.3336, 0.2857



28.8502, 0.3295, 0.4013

Square

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



28.8502, 0.3336, 0.2857



28.8502, 0.3913, 0.3791



28.8502, 0.2888, 0.3790



28.8502, 0.2392, 0.2739

Rectangle

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



28.8502, 0.3336, 0.2857



28.8502, 0.3885, 0.3365



28.8502, 0.2888, 0.3790



28.8502, 0.2422, 0.3138

Sweetspot

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



28.8515, 0.3336, 0.2857



72.2185, 0.3181, 0.3163



26.1690, 0.2836, 0.2572



15.2179, 0.3192, 0.3139



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



28.8515, 0.3336, 0.2857



47.1264, 0.3395, 0.2758



28.0771, 0.3605, 0.3188



8.5946, 0.3190, 0.3144



7.6690, 0.4336, 0.2162



0.2519, 0.3948, 0.1949

Inverse Universe

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



28.8515, 0.3336, 0.2857



47.1264, 0.3395, 0.2758



40.5643, 0.2793, 0.3396



8.5946, 0.3190, 0.3144



7.6690, 0.4336, 0.2162



0.2519, 0.3948, 0.1949

Previews

White Background



This preview shows how the Yxy color 28.8502, 0.3336, 0.2857 looks on a white background.

Color Contrast Check

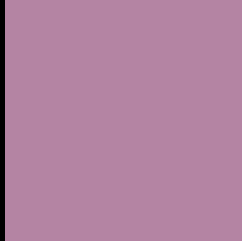
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8502, 0.3336, 0.2857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

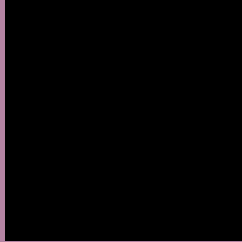
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8502, 0.3336, 0.2857

Background



This preview shows how black text looks on a background with the Yxy color 28.8502, 0.3336, 0.2857.



This preview shows how white text looks on a background with the Yxy color 28.8502, 0.3336, 0.2857.

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

28.8502, 0.3336, 0.2857

Protanopia

28.9801, 0.2849, 0.2875

Deuteranopia

29.0882, 0.3067, 0.3016



Tritanopia

28.8682, 0.3496, 0.3133

Trichromacy



Original Color

28.8502, 0.3336, 0.2857

Protanomaly

28.6887, 0.3012, 0.2857

Deuteranomaly

28.8604, 0.3154, 0.2950

Tritanomaly

28.9009, 0.3442, 0.3035

Monochromacy



Original Color

28.8502, 0.3336, 0.2857

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.5885, 0.3199, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8502, 0.3336, 0.2857 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(180, 132, 163)` looks like.

```
.text, #text, p{  
    color:rgb(180, 132, 163)  
}
```

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(180, 132, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 132, 163) }
```

Border

The CSS property to change the border of an element to Yxy 28.8502, 0.3336, 0.2857 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(180, 132, 163) }
```

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

```
.border{ border-color:rgb(180, 132, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 132, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 132, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 132, 163);  
box-shadow:4px 4px 4px 4px rgb(180, 132,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8502, 0.3336, 0.2857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 132, 163) }
```

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

```
.background{ background-color: rgb(180,  
132, 163) }
```

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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