

Converting Colors

$Y_{xy}(32.9193, 0.2884, 0.2492)$

Have a look what the booklet for
Yxy(32.9193, 0.2884, 0.2492)
contains.

Yxy(32.9554, 0.2886, 0.2499)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.9554, 0.2886, 0.2499)

Conversions

Conversions Part 1

Format	Color
Hex	AE8FCB
RGB	174, 143, 203
RGB Percent	68%, 56%, 80%
CMY	0.3176, 0.4392, 0.2039
CMYK	0.14, 0.30, 0.00, 0.20
HSL	271°, 37%, 68%
HSV	271°, 30%, 80%
XYZ	38.0589, 32.9554, 60.8600
YIQ	159.1090, -0.7840, 25.2320

Conversions

Conversions Part 2

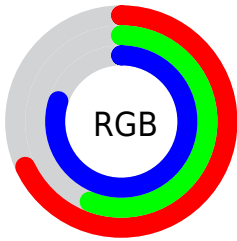
Format	Color
RYB	174, 143, 203
Decimal	11440075
CIELab	64.12, 23.17, -26.60
CIElCh	64, 35.276, 311.052
Yxy	32.9554, 0.2886, 0.2499
Android (android.graphics.Color)	4289630155 (0xFFAE8FCB)
YUV	159.1090, 21.6383, 13.0594
Hunter-Lab	57.4068, 17.8781, -22.6717

Details

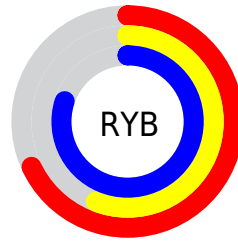
The Yxy color **32.9554, 0.2886, 0.2499** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.4703, 0.3312, 0.4087**, and the grayscale version is **34.6239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9755, 0.2970, 0.2690**, and **13.8892, 0.2798, 0.2268** is the 20% darker color. If you saturate the color by 10%, you get **26.3170, 0.2780, 0.2205**, and if you desaturate by 10%, it is **40.7818, 0.2980, 0.2783**.

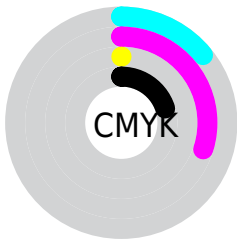
Distribution



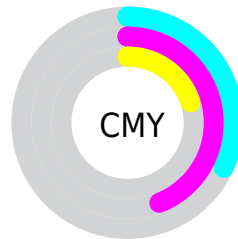
- Red (68%)
- Green (56%)
- Blue (80%)



- Red (68%)
- Yellow (56%)
- Blue (80%)



- Cyan (14%)
- Magenta (30%)
- Yellow (0%)
- Black (20%)




- Cyan (32%)
- Magenta (44%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9554, 0.2886, 0.2499 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 32.9554, 0.2886, 0.2499 by changing the saturation by 10% instead.


 32.9554, 0.2886,
0.2499


 32.9554, 0.2886,
0.2499


315.4487, 0.3019,
0.2893

 22.0923, 0.2849,
0.2402

 64.3059, 0.2937,
0.2642

 13.9247, 0.2800,
0.2278


 85.5621, 0.2956,
0.2695

 8.0683, 0.2730,
0.2116


111.0514, 0.2971,
0.2741

 4.1387, 0.2627,
0.1895

141.1582, 0.2983,
0.2780

 1.7514, 0.2461,
0.1582

176.2669, 0.2994,
0.2814

 0.4566, 0.2194,
0.0992

216.7620, 0.3004,

 0.0000, 0.0000,

0.2844

0.0000

263.0278, 0.3012,
0.2870

■ 32.9554, 0.2886,
0.2499

■ 32.9554, 0.2886,
0.2499

■ 26.3170, 0.2780,
0.2205

■ 40.7818, 0.2980,
0.2783

■ 20.8012, 0.2664,
0.1912

■ 49.8487, 0.3061,
0.3052

■ 16.3424, 0.2539,
0.1633

■ 60.2107, 0.3130,
0.3301

■ 12.8664, 0.2410,
0.1382

■ 71.9175, 0.3188,
0.3527

■ 10.2886, 0.2283,
0.1172

■ 85.0164, 0.3237,
0.3732

8.5098, 0.2164,
0.1015

93.1351, 0.3290,
0.3825

7.3545, 0.2055,
0.0907

94.8315, 0.3354,
0.3814

7.3089, 0.2050,
0.0903

96.6212, 0.3419,
0.3803

97.0922, 0.3436,
0.3800

Harmonies

Analogous

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



32.9554, 0.2435, 0.2417



32.9554, 0.2886, 0.2499



32.9554, 0.3447, 0.2750

Triad

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



32.9554, 0.2886, 0.2499



32.9554, 0.4154, 0.3963



32.9554, 0.2348, 0.3391

Complementary

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



32.9554, 0.2886, 0.2499



53.4703, 0.3312, 0.4087

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.



32.9554, 0.2758, 0.3936



32.9554, 0.2886, 0.2499



32.9554, 0.3805, 0.4248

Square

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



32.9554, 0.2886, 0.2499



32.9554, 0.4218, 0.3552



32.9554, 0.3291, 0.4265



32.9554, 0.2147, 0.2873

Rectangle

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



32.9554, 0.2886, 0.2499



32.9554, 0.3803, 0.2989



32.9554, 0.3291, 0.4265



32.9554, 0.2464, 0.3581

Sweetspot

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



32.9568, 0.2886, 0.2499



84.1780, 0.3064, 0.3063



39.6588, 0.2657, 0.2859



17.5068, 0.3053, 0.3025



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.



32.9568, 0.2886, 0.2499



48.3784, 0.2825, 0.2326



36.6076, 0.3171, 0.2573



11.1242, 0.3062, 0.3056



4.7054, 0.2064, 0.0911



0.2878, 0.2275, 0.1027

Inverse Universe

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



35.3217, 0.3467, 0.2922



53.0394, 0.3559, 0.2846



50.5694, 0.3080, 0.4130



11.3025, 0.3216, 0.3179



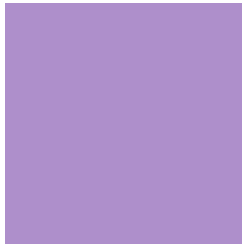
8.6608, 0.5012, 0.2535



0.4621, 0.4568, 0.2290

Previews

White Background



This preview shows how the Yxy color 32.9554, 0.2886, 0.2499 looks on a white background.

Color Contrast Check

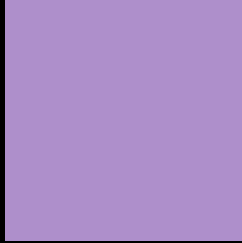
Large Text (above 18pt) WCAG AA × Fail

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 32.9554, 0.2886, 0.2499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

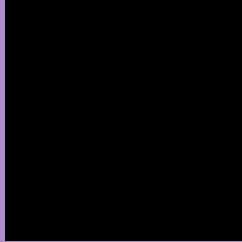
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9554, 0.2886, 0.2499

Background



This preview shows how black text looks on a background with the Yxy color 32.9554, 0.2886, 0.2499.



This preview shows how white text looks on a background with the Yxy color 32.9554, 0.2886, 0.2499.

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

32.9554, 0.2886, 0.2499

Protanopia

33.3033, 0.2543, 0.2494

Deuteranopia

33.1105, 0.2665, 0.2612



Tritanopia

32.9931, 0.3175, 0.3117

Trichromacy



Original Color

32.9554, 0.2886, 0.2499

Protanomaly

33.0422, 0.2660, 0.2494

Deuteranomaly

32.8271, 0.2737, 0.2558

Tritanomaly

32.9402, 0.3067, 0.2870

Monochromacy



Original Color

32.9554, 0.2886, 0.2499

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.7701, 0.3035, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9554, 0.2886, 0.2499 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(174, 143, 203)` looks like.

```
.text, #text, p{  
    color:rgb(174, 143, 203)  
}
```

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(174, 143, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 143, 203) }
```

Border

The CSS property to change the border of an element to Yxy 32.9554, 0.2886, 0.2499 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(174, 143, 203) }
```

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

```
.border{ border-color:rgb(174, 143, 203) }
```

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

Here you see how a box with a 4 pixel rgb(174, 143, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 143, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 143, 203);  
box-shadow:4px 4px 4px 4px rgb(174, 143,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9554, 0.2886, 0.2499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 143, 203) }
```

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

```
.background{ background-color: rgb(174,  
143, 203) }
```

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