

Converting Colors

$Y_{xy}(32.8057, 0.3220, 0.2912)$

Have a look what the booklet for
Yxy(32.8057, 0.3220, 0.2912)
contains.

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Color

Yxy(32.9327, 0.3227, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	B491AC
RGB	180, 145, 172
RGB Percent	71%, 57%, 67%
CMY	0.2940, 0.4314, 0.3256
CMYK	0.00, 0.19, 0.04, 0.29
HSL	314°, 19%, 64%
HSV	314°, 19%, 71%
XYZ	36.3951, 32.9327, 43.4554
YIQ	158.5430, 12.1930, 15.8170

Conversions

Conversions Part 2

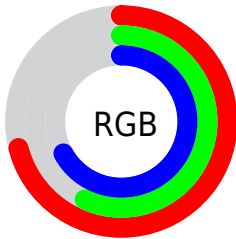
Format	Color
R _Y B	180, 145, 172
Decimal	11833772
CIE Lab	64.11, 17.80, -9.14
CIE LCh	64, 20.004, 332.824
Yxy	32.9327, 0.3227, 0.2920
Android (android.graphics.Color)	4290023852 (0xFFB491AC)
YUV	158.5430, 6.6343, 18.8178
Hunter-Lab	57.3870, 12.7783, -4.7255

Details

The Yxy color **32.9327, 0.3227, 0.2920** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.9708, 0.3041, 0.3691**, and the grayscale version is **34.4176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2258, 0.3211, 0.2994**, and **13.8735, 0.3254, 0.2796** is the 20% darker color. If you saturate the color by 10%, you get **27.7052, 0.3290, 0.2724**, and if you desaturate by 10%, it is **39.0397, 0.3172, 0.3114**.

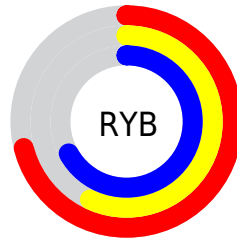
Distribution



Red (71%)

Green (57%)

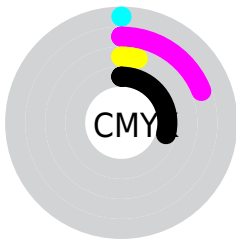
Blue (67%)



Red (71%)

Yellow (57%)

Blue (67%)

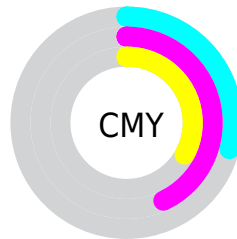


Cyan (0%)

Magenta (19%)

Yellow (4%)

Black (29%)



Cyan (29%)


Magenta (43%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9327, 0.3227, 0.2920 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 32.9327, 0.3227, 0.2920 by changing the saturation by 10% instead.


 32.9327, 0.3227,
0.2920


 32.9327, 0.3227,
0.2920


315.3464, 0.3177,
0.3110

 22.0749, 0.3240,
0.2871


 64.2704, 0.3209,
0.2990

 13.9119, 0.3256,
0.2807


 85.5192, 0.3202,
0.3016

 8.0594, 0.3278,
0.2719


111.0003, 0.3196,
0.3038

 4.1330, 0.3308,
0.2594

141.0983, 0.3191,
0.3057

 1.7482, 0.3353,
0.2399

176.1975, 0.3187,
0.3073

 0.4546, 0.3516,
0.1844

216.6823, 0.3183,

 0.0000, 0.0000,

0.3087

0.0000

262.9371, 0.3180,
0.3099

■ 32.9327, 0.3227,
0.2920

■ 32.9327, 0.3227,
0.2920

■ 27.7052, 0.3290,
0.2724

■ 39.0397, 0.3172,
0.3114

■ 23.3119, 0.3361,
0.2530

■ 46.0603, 0.3125,
0.3300

■ 19.7100, 0.3440,
0.2348

■ 54.0318, 0.3084,
0.3476

■ 16.8510, 0.3526,
0.2187

■ 62.9883, 0.3050,
0.3641

■ 14.6813, 0.3616,
0.2057

■ 72.9623, 0.3022,
0.3793

■ 13.1399, 0.3707,
0.1967

■ 83.9846, 0.2998,
0.3933

■ 12.1550, 0.3797,
0.1922

■ 85.4385, 0.2976,
0.3904

■ 11.5880, 0.3885,
0.1916

■ 85.6357, 0.2954,
0.3856

■ 11.5600, 0.3890,
0.1916

■ 85.8380, 0.2932,
0.3807

Harmonies

Analogous

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



32.9327, 0.2913, 0.2794



32.9327, 0.3227, 0.2920



32.9327, 0.3526, 0.3134

Triad

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



32.9327, 0.3227, 0.2920



32.9327, 0.3592, 0.3811



32.9327, 0.2570, 0.3140

Complementary

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



32.9327, 0.3227, 0.2920



40.9708, 0.3041, 0.3691

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.



32.9327, 0.2734, 0.3440



32.9327, 0.3227, 0.2920



32.9327, 0.3320, 0.3844

Square

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



32.9327, 0.3227, 0.2920



32.9327, 0.3741, 0.3639



32.9327, 0.3006, 0.3707



32.9327, 0.2547, 0.2904

Rectangle

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



32.9327, 0.3227, 0.2920



32.9327, 0.3671, 0.3304



32.9327, 0.3006, 0.3707



32.9327, 0.2610, 0.3237

Sweetspot

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



32.9341, 0.3227, 0.2920



74.8463, 0.3155, 0.3177



30.2794, 0.2881, 0.2776



16.0064, 0.3158, 0.3165



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.



32.9341, 0.3227, 0.2920



55.7816, 0.3251, 0.2843



32.3205, 0.3399, 0.3151



8.6127, 0.3171, 0.3116



8.0770, 0.3880, 0.1911



0.2623, 0.3658, 0.1789

Inverse Universe

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



32.9341, 0.3227, 0.2920



55.7816, 0.3251, 0.2843



41.5754, 0.2913, 0.3434



8.6127, 0.3171, 0.3116



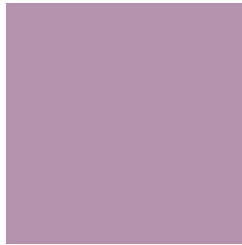
8.0770, 0.3880, 0.1911



0.2623, 0.3658, 0.1789

Previews

White Background



This preview shows how the Yxy color 32.9327, 0.3227, 0.2920 looks on a white background.

Color Contrast Check

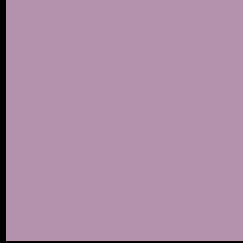
Large Text (above 18pt) WCAG AA × Fail

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 32.9327, 0.3227, 0.2920 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 32.9327, 0.3227, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 32.9327, 0.3227, 0.2920.



This preview shows how white text looks on a background with the Yxy color 32.9327, 0.3227, 0.2920.

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

32.9327, 0.3227, 0.2920

Protanopia

33.0010, 0.2897, 0.2938

Deuteranopia

32.9660, 0.3072, 0.3002



Tritanopia

32.8356, 0.3333, 0.3122

Trichromacy



Original Color

32.9327, 0.3227, 0.2920

Protanomaly

32.9492, 0.3007, 0.2931

Deuteranomaly

32.9812, 0.3132, 0.2979

Tritanomaly

32.8218, 0.3294, 0.3040

Monochromacy



Original Color

32.9327, 0.3227, 0.2920

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.0070, 0.3164, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9327, 0.3227, 0.2920 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, 145, 172)` looks like.

```
.text, #text, p{  
    color:rgb(180, 145, 172)  
}
```

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, 145, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 145, 172) }
```

Border

The CSS property to change the border of an element to Yxy 32.9327, 0.3227, 0.2920 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, 145, 172) }
```

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

```
.border{ border-color:rgb(180, 145, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 145, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 145, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 145, 172);  
box-shadow:4px 4px 4px 4px rgb(180, 145,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9327, 0.3227, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 145, 172) }
```

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

```
.background{ background-color: rgb(180,  
145, 172) }
```

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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