

Converting Colors

$Yxy(30.9638, 0.2814, 0.2424)$

Have a look what the booklet for
Yxy(30.9638, 0.2814, 0.2424)
contains.

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Color

Yxy(30.9925, 0.2819, 0.2430)

Conversions

Conversions Part 1

Format	Color
Hex	A78BCB
RGB	167, 139, 203
RGB Percent	65%, 55%, 80%
CMY	0.3450, 0.4549, 0.2039
CMYK	0.18, 0.32, 0.00, 0.20
HSL	266°, 38%, 67%
HSV	266°, 32%, 80%
XYZ	35.9539, 30.9925, 60.5948
YIQ	154.6680, -3.8560, 25.8400

Conversions

Conversions Part 2

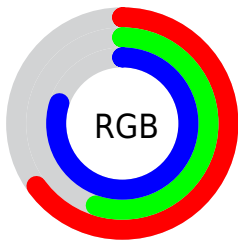
Format	Color
RYB	167, 139, 203
Decimal	10980299
CIELab	62.50, 23.24, -29.16
CIELCh	63, 37.290, 308.554
Yxy	30.9925, 0.2819, 0.2430
Android (android.graphics.Color)	4289170379 (0xFFA78BCB)
YUV	154.6680, 23.8277, 10.8152
Hunter-Lab	55.6709, 17.8563, -25.5644

Details

The Yxy color **30.9925, 0.2819, 0.2430** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.6930, 0.3364, 0.4134**, and the grayscale version is **32.5201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0479, 0.2919, 0.2638**, and **12.8921, 0.2705, 0.2188** is the 20% darker color. If you saturate the color by 10%, you get **24.4623, 0.2693, 0.2126**, and if you desaturate by 10%, it is **38.7265, 0.2932, 0.2723**.

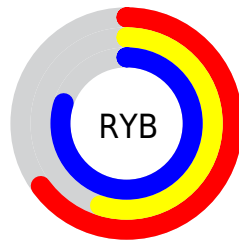
Distribution



Red (65%)

Green (55%)

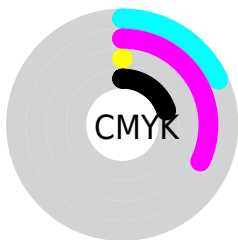
Blue (80%)



Red (65%)

Yellow (55%)

Blue (80%)

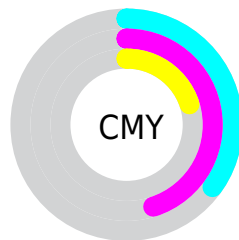


Cyan (18%)

Magenta (32%)

Yellow (0%)

Black (20%)



Cyan (35%)


Magenta (45%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9925, 0.2819, 0.2430 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 30.9925, 0.2819, 0.2430 by changing the saturation by 10% instead.


 30.9925, 0.2819,
0.2430


 30.9925, 0.2819,
0.2430


306.5038, 0.2989,
0.2861

 20.5931, 0.2772,
0.2323


 61.2283, 0.2884,
0.2586

 12.8269, 0.2709,
0.2188


 81.8335, 0.2908,
0.2645

 7.3095, 0.2621,
0.2010


 106.6094, 0.2927,
0.2695

 3.6564, 0.2490,
0.1768

135.9404, 0.2943,
0.2737

 1.4833, 0.2282,
0.1428

170.2110, 0.2957,
0.2774

 0.2769, 0.1975,
0.0658

209.8055, 0.2969,

 0.0000, 0.0000,

0.2807

0.0000

255.1083, 0.2980,
0.2835

■ 30.9925, 0.2819,
0.2430

■ 30.9925, 0.2819,
0.2430

■ 24.4623, 0.2693,
0.2126

■ 38.7265, 0.2932,
0.2723

■ 19.0687, 0.2555,
0.1823

■ 47.7190, 0.3030,
0.2999

■ 14.7437, 0.2411,
0.1535


■ 58.0261, 0.3115,
0.3253

■ 11.4100, 0.2265,
0.1278


■ 69.6990, 0.3187,
0.3484


■ 8.9794, 0.2125,
0.1067


■ 82.7865, 0.3248,
0.3691

 7.3473, 0.1998,
0.0913

 93.5785, 0.3307,
0.3822

 6.4317, 0.1902,
0.0822

 95.5889, 0.3382,
0.3809

 97.0924, 0.3436,
0.3800

Harmonies

Analogous

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



30.9925, 0.2353, 0.2358



30.9925, 0.2819, 0.2430



30.9925, 0.3419, 0.2684

Triad

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



30.9925, 0.2819, 0.2430



30.9925, 0.4250, 0.3972



30.9925, 0.2318, 0.3448

Complementary

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



30.9925, 0.2819, 0.2430



53.6930, 0.3364, 0.4134

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.



30.9925, 0.2771, 0.4034



30.9925, 0.2819, 0.2430



30.9925, 0.3892, 0.4303

Square

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



30.9925, 0.2819, 0.2430



30.9925, 0.4294, 0.3525



30.9925, 0.3347, 0.4360



30.9925, 0.2086, 0.2876

Rectangle

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



30.9925, 0.2819, 0.2430



30.9925, 0.3811, 0.2931



30.9925, 0.3347, 0.4360



30.9925, 0.2448, 0.3655

Sweetspot

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



30.9938, 0.2819, 0.2430



83.8565, 0.3052, 0.3062



40.5659, 0.2634, 0.2902



17.4276, 0.3039, 0.3024



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.



30.9938, 0.2819, 0.2430



44.0612, 0.2732, 0.2219



34.8824, 0.3122, 0.2504



11.0803, 0.3050, 0.3055



4.1445, 0.1916, 0.0829



0.2585, 0.2140, 0.0953

Inverse Universe

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



34.2552, 0.3443, 0.2835



50.5298, 0.3539, 0.2732



50.4447, 0.3115, 0.4203



11.3175, 0.3204, 0.3160



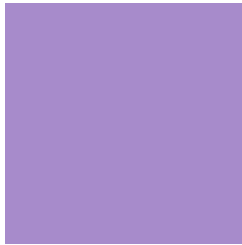
8.8732, 0.4683, 0.2353



0.4728, 0.4318, 0.2153

Previews

White Background



This preview shows how the Yxy color 30.9925, 0.2819, 0.2430 looks on a white background.

Color Contrast Check

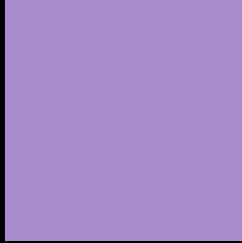
Large Text (above 18pt) WCAG AA × Fail

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 30.9925, 0.2819, 0.2430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

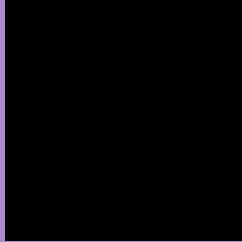
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9925, 0.2819, 0.2430

Background



This preview shows how black text looks on a background with the Yxy color 30.9925, 0.2819, 0.2430.



This preview shows how white text looks on a background with the Yxy color 30.9925, 0.2819, 0.2430.

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

30.9925, 0.2819, 0.2430

Protanopia

31.1846, 0.2488, 0.2412

Deuteranopia

31.2009, 0.2602, 0.2542



Tritanopia

31.1566, 0.3145, 0.3126

Trichromacy



Original Color

30.9925, 0.2819, 0.2430

Protanomaly

30.8246, 0.2595, 0.2410

Deuteranomaly

30.9046, 0.2672, 0.2489

Tritanomaly

31.1325, 0.3027, 0.2858

Monochromacy



Original Color

30.9925, 0.2819, 0.2430

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.8444, 0.3014, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9925, 0.2819, 0.2430 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(167, 139, 203)` looks like.

```
.text, #text, p{  
    color:rgb(167, 139, 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(167, 139, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 139, 203) }
```

Border

The CSS property to change the border of an element to Yxy 30.9925, 0.2819, 0.2430 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(167, 139, 203) }
```

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

```
.border{ border-color:rgb(167, 139, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 139, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 139, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 139, 203);  
box-shadow:4px 4px 4px 4px rgb(167, 139,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9925, 0.2819, 0.2430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 139, 203) }
```

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

```
.background{ background-color: rgb(167,  
139, 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](#).

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