

Converting Colors

$Y_{xy}(30.5160, 0.2852, 0.2463)$

Have a look what the booklet for
Yxy(30.5160, 0.2852, 0.2463)
contains.

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Color

Yxy(30.5160, 0.2852, 0.2463)

Conversions

Conversions Part 1

Format	Color
Hex	A78AC7
RGB	167, 138, 199
RGB Percent	65%, 54%, 78%
CMY	0.3450, 0.4588, 0.2197
CMYK	0.16, 0.31, 0.00, 0.22
HSL	269°, 35%, 66%
HSV	269°, 31%, 78%
XYZ	35.3356, 30.5160, 58.0461
YIQ	153.6250, -2.2970, 25.1190

Conversions

Conversions Part 2

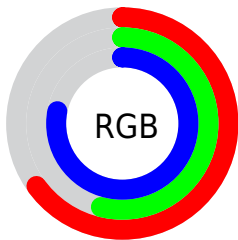
Format	Color
R_{YB}	167, 138, 199
Decimal	10980039
CIE _{Lab}	62.10, 22.90, -27.52
CIE _{LCh}	62, 35.801, 309.765
Yxy	30.5160, 0.2852, 0.2463
Android (android.graphics.Color)	4289170119 (0xFFA78AC7)
YUV	153.6250, 22.3699, 11.7299
Hunter-Lab	55.2413, 17.5070, -23.6314

Details

The Yxy color **30.5160, 0.2852, 0.2463** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.2111, 0.3339, 0.4113**, and the grayscale version is **32.0447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6072, 0.2919, 0.2627**, and **12.6012, 0.2748, 0.2229** is the 20% darker color. If you saturate the color by 10%, you get **24.2311, 0.2736, 0.2165**, and if you desaturate by 10%, it is **37.9408, 0.2955, 0.2752**.

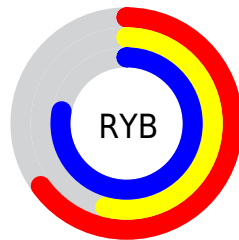
Distribution



Red (65%)

Green (54%)

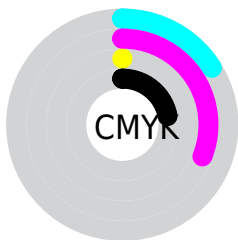
Blue (78%)



Red (65%)

Yellow (54%)

Blue (78%)

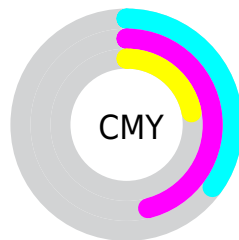


Cyan (16%)

Magenta (31%)

Yellow (0%)

Black (22%)



Cyan (35%)


Magenta (46%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5160, 0.2852, 0.2463 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 30.5160, 0.2852, 0.2463 by changing the saturation by 10% instead.


 30.5160, 0.2852,
0.2463


 30.5160, 0.2852,
0.2463


304.3023, 0.3005,
0.2879

 20.2306, 0.2809,
0.2359


 60.4772, 0.2911,
0.2614

 12.5628, 0.2752,
0.2227


 80.9219, 0.2932,
0.2671

 7.1282, 0.2670,
0.2052


 105.5217, 0.2949,
0.2719

 3.5424, 0.2549,
0.1813

134.6611, 0.2964,
0.2761

 1.4210, 0.2351,
0.1471

168.7244, 0.2977,
0.2796

 0.2321, 0.2069,
0.0616

208.0961, 0.2987,

 0.0000, 0.0000,

0.2828

0.0000

253.1606, 0.2997,
0.2855

■ 30.5160, 0.2852,
0.2463

■ 30.5160, 0.2852,
0.2463

■ 24.2311, 0.2736,
0.2165

■ 37.9408, 0.2955,
0.2752

■ 19.0231, 0.2609,
0.1867

■ 46.5567, 0.3045,
0.3023

■ 14.8283, 0.2474,
0.1583


■ 56.4162, 0.3123,
0.3275

■ 11.5746, 0.2336,
0.1329


■ 67.5675, 0.3188,
0.3503


■ 9.1798, 0.2202,
0.1118

■ 80.0562, 0.3243,
0.3709


 7.5470, 0.2077,
0.0962

 92.3956, 0.3292,
0.3871

 6.5409, 0.1973,
0.0860

 94.1680, 0.3360,
0.3859

 96.0453, 0.3429,
0.3846

 96.9024, 0.3460,
0.3840

Harmonies

Analogous

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



30.5160, 0.2393, 0.2386



30.5160, 0.2852, 0.2463



30.5160, 0.3434, 0.2716

Triad

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



30.5160, 0.2852, 0.2463



30.5160, 0.4204, 0.3969



30.5160, 0.2331, 0.3419

Complementary

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



30.5160, 0.2852, 0.2463



51.2111, 0.3339, 0.4113

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.



30.5160, 0.2764, 0.3986



30.5160, 0.2852, 0.2463



30.5160, 0.3850, 0.4278

Square

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



30.5160, 0.2852, 0.2463



30.5160, 0.4258, 0.3539



30.5160, 0.3320, 0.4314



30.5160, 0.2115, 0.2873

Rectangle

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



30.5160, 0.2852, 0.2463



30.5160, 0.3809, 0.2959



30.5160, 0.3320, 0.4314



30.5160, 0.2455, 0.3618

Sweetspot

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



30.5173, 0.2852, 0.2463



84.0118, 0.3058, 0.3063



38.4702, 0.2645, 0.2886



17.4659, 0.3046, 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.



30.5173, 0.2852, 0.2463



45.6477, 0.2773, 0.2258



34.1614, 0.3142, 0.2532



10.5310, 0.3056, 0.3056



4.2584, 0.1987, 0.0868



0.2447, 0.2221, 0.0997

Inverse Universe

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



33.2154, 0.3456, 0.2878



51.2848, 0.3557, 0.2782



48.2492, 0.3101, 0.4176



10.7282, 0.3209, 0.3170



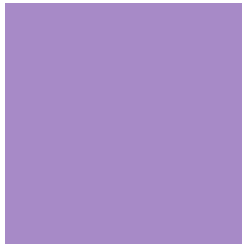
8.4716, 0.4839, 0.2440



0.4157, 0.4410, 0.2203

Previews

White Background



This preview shows how the Yxy color 30.5160, 0.2852, 0.2463 looks on a white background.

Color Contrast Check

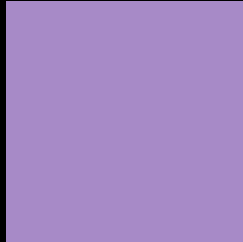
Large Text (above 18pt) WCAG AA × Fail

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 30.5160, 0.2852, 0.2463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

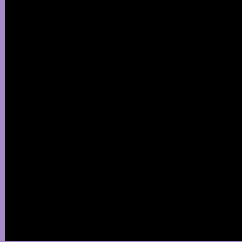
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5160, 0.2852, 0.2463

Background



This preview shows how black text looks on a background with the Yxy color 30.5160, 0.2852, 0.2463.



This preview shows how white text looks on a background with the Yxy color 30.5160, 0.2852, 0.2463.

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

30.5160, 0.2852, 0.2463

Protanopia

30.6713, 0.2512, 0.2444

Deuteranopia

30.7000, 0.2629, 0.2577



Tritanopia

30.5000, 0.3156, 0.3111

Trichromacy



Original Color

30.5160, 0.2852, 0.2463

Protanomaly

30.3259, 0.2622, 0.2443

Deuteranomaly

30.4133, 0.2701, 0.2523

Tritanomaly

30.4486, 0.3045, 0.2856

Monochromacy



Original Color

30.5160, 0.2852, 0.2463

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.4530, 0.3032, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5160, 0.2852, 0.2463 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, 138, 199)` looks like.

```
.text, #text, p{  
    color:rgb(167, 138, 199)  
}
```

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, 138, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 138, 199) }
```

Border

The CSS property to change the border of an element to Yxy 30.5160, 0.2852, 0.2463 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, 138, 199) }
```

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

```
.border{ border-color:rgb(167, 138, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 138, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 138, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 138, 199);  
box-shadow:4px 4px 4px 4px rgb(167, 138,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5160, 0.2852, 0.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 138, 199) }
```

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

```
.background{ background-color: rgb(167,  
138, 199) }
```

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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