

Converting Colors

$Y_{xy}(30.2535, 0.2841, 0.2470)$

Have a look what the booklet for
Yxy(30.2535, 0.2841, 0.2470)
contains.

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Color

Yxy(30.2535, 0.2841, 0.2470)

Conversions

Conversions Part 1

Format	Color
Hex	A58AC6
RGB	165, 138, 198
RGB Percent	65%, 54%, 78%
CMY	0.3530, 0.4588, 0.2235
CMYK	0.17, 0.30, 0.00, 0.22
HSL	267°, 34%, 66%
HSV	267°, 30%, 78%
XYZ	34.7976, 30.2535, 57.4327
YIQ	152.9130, -3.1680, 24.3840

Conversions

Conversions Part 2

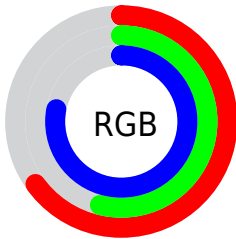
Format	Color
R_{YB}	165, 138, 198
Decimal	10848966
CIE _{Lab}	61.87, 22.03, -27.33
CIE _{LCh}	62, 35.108, 308.873
Yxy	30.2535, 0.2841, 0.2470
Android (android.graphics.Color)	4289039046 (0xFFA58AC6)
YUV	152.9130, 22.2279, 10.6003
Hunter-Lab	55.0032, 16.6721, -23.4066

Details

The Yxy color **30.2535, 0.2841, 0.2470** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.8840, 0.3349, 0.4099**, and the grayscale version is **31.7185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2914, 0.2904, 0.2624**, and **12.4378, 0.2733, 0.2236** is the 20% darker color. If you saturate the color by 10%, you get **23.9627, 0.2719, 0.2169**, and if you desaturate by 10%, it is **37.6820, 0.2949, 0.2760**.

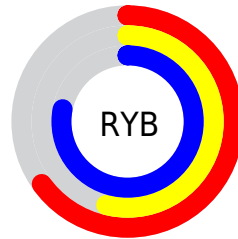
Distribution



Red (65%)

Green (54%)

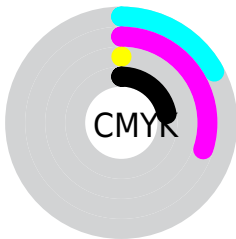
Blue (78%)



Red (65%)

Yellow (54%)

Blue (78%)

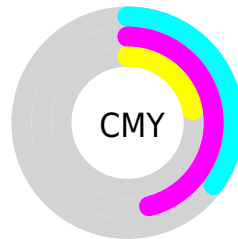


Cyan (17%)

Magenta (30%)

Yellow (0%)

Black (22%)



Cyan (35%)


Magenta (46%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2535, 0.2841, 0.2470 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 30.2535, 0.2841, 0.2470 by changing the saturation by 10% instead.


 30.2535, 0.2841,
0.2470


 30.2535, 0.2841,
0.2470


303.0843, 0.2999,
0.2884


 20.0311, 0.2797,
0.2366


 60.0628, 0.2902,
0.2621

 12.4176, 0.2737,
0.2234


 80.4186, 0.2924,
0.2677

 7.0288, 0.2653,
0.2059


 104.9208, 0.2942,
0.2725

 3.4801, 0.2528,
0.1819

133.9540, 0.2957,
0.2766

 1.3872, 0.2324,
0.1475

167.9026, 0.2970,
0.2802

 0.2073, 0.2031,
0.0573

207.1509, 0.2981,

 0.0000, 0.0000,

0.2833

0.0000

252.0833, 0.2991,
0.2860

■ 30.2535, 0.2841,
0.2470

■ 30.2535, 0.2841,
0.2470

■ 23.9627, 0.2719,
0.2169

■ 37.6820, 0.2949,
0.2760

■ 18.7470, 0.2586,
0.1867

■ 46.2989, 0.3044,
0.3032

■ 14.5435, 0.2445,
0.1579


■ 56.1563, 0.3125,
0.3283


■ 11.2807, 0.2302,
0.1319


■ 67.3021, 0.3194,
0.3510

■ 8.8777, 0.2163,
0.1103


■ 79.7815, 0.3252,
0.3715

 7.2386, 0.2035,
0.0941

 92.4790, 0.3302,
0.3881

 6.2047, 0.1925,
0.0834

 94.3417, 0.3374,
0.3867

 96.3191, 0.3447,
0.3854

 96.8573, 0.3466,
0.3850

Harmonies

Analogous

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



30.2535, 0.2393, 0.2400



30.2535, 0.2841, 0.2470



30.2535, 0.3412, 0.2715

Triad

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



30.2535, 0.2841, 0.2470



30.2535, 0.4193, 0.3948



30.2535, 0.2354, 0.3435

Complementary

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



30.2535, 0.2841, 0.2470



50.8840, 0.3349, 0.4099

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.



30.2535, 0.2786, 0.3988



30.2535, 0.2841, 0.2470



30.2535, 0.3853, 0.4256

Square

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



30.2535, 0.2841, 0.2470



30.2535, 0.4236, 0.3524



30.2535, 0.3334, 0.4300



30.2535, 0.2133, 0.2895

Rectangle

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



30.2535, 0.2841, 0.2470



30.2535, 0.3782, 0.2953



30.2535, 0.3334, 0.4300



30.2535, 0.2477, 0.3630

Sweetspot

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



30.2547, 0.2841, 0.2470



83.9049, 0.3054, 0.3063



38.9877, 0.2654, 0.2920



17.4395, 0.3041, 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.



30.2547, 0.2841, 0.2470



46.3930, 0.2767, 0.2283



33.7257, 0.3123, 0.2536



10.5171, 0.3052, 0.3056



4.0842, 0.1939, 0.0842



0.2362, 0.2177, 0.0973

Inverse Universe

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



33.1255, 0.3434, 0.2863



52.3654, 0.3520, 0.2773



47.9758, 0.3116, 0.4160



10.7330, 0.3205, 0.3164



8.5422, 0.4730, 0.2379



0.4189, 0.4329, 0.2158

Previews

White Background



This preview shows how the Yxy color 30.2535, 0.2841, 0.2470 looks on a white background.

Color Contrast Check

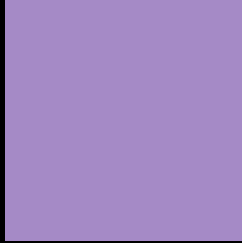
Large Text (above 18pt) WCAG AA × Fail

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 30.2535, 0.2841, 0.2470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

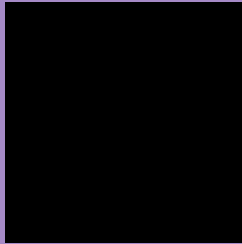
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2535, 0.2841, 0.2470

Background



This preview shows how black text looks on a background with the Yxy color 30.2535, 0.2841, 0.2470.



This preview shows how white text looks on a background with the Yxy color 30.2535, 0.2841, 0.2470.

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

30.2535, 0.2841, 0.2470

Protanopia

30.5741, 0.2525, 0.2468

Deuteranopia

30.3419, 0.2635, 0.2575



Tritanopia

30.2612, 0.3145, 0.3124

Trichromacy



Original Color

30.2535, 0.2841, 0.2470

Protanomaly

30.2305, 0.2637, 0.2467

Deuteranomaly

30.2736, 0.2700, 0.2533

Tritanomaly

30.2005, 0.3035, 0.2867

Monochromacy



Original Color

30.2535, 0.2841, 0.2470

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.2125, 0.3022, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2535, 0.2841, 0.2470 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(165, 138, 198)` looks like.

```
.text, #text, p{  
    color:rgb(165, 138, 198)  
}
```

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(165, 138, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 138, 198) }
```

Border

The CSS property to change the border of an element to Yxy 30.2535, 0.2841, 0.2470 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(165, 138, 198) }
```

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

```
.border{ border-color:rgb(165, 138, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 138, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 138, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 138, 198);  
box-shadow:4px 4px 4px 4px rgb(165, 138,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2535, 0.2841, 0.2470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 138, 198) }
```

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

```
.background{ background-color: rgb(165,  
138, 198) }
```

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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