

Converting Colors

$Y_{xy}(30.8310, 0.2941, 0.2433)$

Have a look what the booklet for
Yxy(30.8310, 0.2941, 0.2433)
contains.

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Color

Yxy(30.8452, 0.2938, 0.2434)

Conversions

Conversions Part 1

Format	Color
Hex	B187C8
RGB	177, 135, 200
RGB Percent	69%, 53%, 78%
CMY	0.3057, 0.4707, 0.2156
CMYK	0.11, 0.33, 0.00, 0.22
HSL	279°, 37%, 66%
HSV	279°, 33%, 78%
XYZ	37.2322, 30.8452, 58.6490
YIQ	154.9680, 4.1670, 29.1190

Conversions

Conversions Part 2

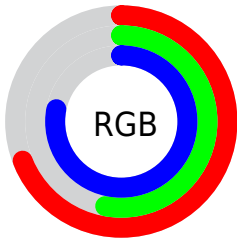
Format	Color
RYB	177, 135, 200
Decimal	11634632
CIELab	62.38, 28.01, -27.60
CIELCh	62, 39.323, 315.430
Yxy	30.8452, 0.2938, 0.2434
Android (android.graphics.Color)	4289824712 (0xFFB187C8)
YUV	154.9680, 22.2008, 19.3221
Hunter-Lab	55.5385, 22.4716, -23.7337

Details

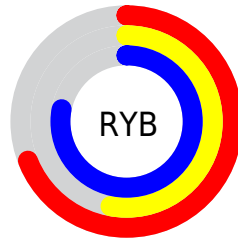
The Yxy color **30.8452, 0.2938, 0.2434** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.3315, 0.3260, 0.4194**, and the grayscale version is **32.6643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9388, 0.2992, 0.2610**, and **12.7833, 0.2854, 0.2197** is the 20% darker color. If you saturate the color by 10%, you get **24.9723, 0.2860, 0.2156**, and if you desaturate by 10%, it is **37.8121, 0.3007, 0.2711**.

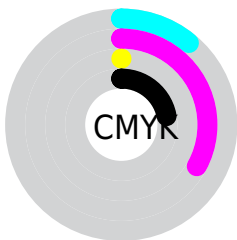
Distribution



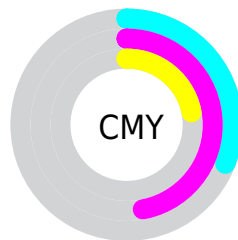
- Red (69%)
- Green (53%)
- Blue (78%)



- Red (69%)
- Yellow (53%)
- Blue (78%)



- Cyan (11%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)





- Cyan (31%)
- Magenta (47%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8452, 0.2938, 0.2434 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 30.8452, 0.2938, 0.2434 by changing the saturation by 10% instead.

 30.8452, 0.2938,
0.2434


 30.8452, 0.2938,
0.2434


305.8245, 0.3047,
0.2862

 20.4810, 0.2906,
0.2329


 60.9963, 0.2981,
0.2589

 12.7452, 0.2863,
0.2194


 81.5519, 0.2996,
0.2647

 7.2533, 0.2800,
0.2019


 106.2735, 0.3009,
0.2696

 3.6210, 0.2705,
0.1780

135.5455, 0.3019,
0.2739

 1.4639, 0.2546,
0.1443

169.7522, 0.3028,
0.2776

 0.2631, 0.2323,
0.0652

209.2780, 0.3035,

 0.0000, 0.0000,

0.2808

0.0000

254.5073, 0.3041,
0.2836

■ 30.8452, 0.2938,
0.2434

■ 30.8452, 0.2938,
0.2434

■ 24.9723, 0.2860,
0.2156

■ 37.8121, 0.3007,
0.2711

■ 20.1300, 0.2774,
0.1886

■ 45.9239, 0.3066,
0.2977

■ 16.2542, 0.2682,
0.1637

■ 55.2332, 0.3116,
0.3229

■ 13.2719, 0.2587,
0.1421

■ 65.7879, 0.3158,
0.3463

■ 11.0994, 0.2491,
0.1249

■ 77.6334, 0.3192,
0.3677

9.6364, 0.2399,
0.1126

90.8126, 0.3220,
0.3872

8.8697, 0.2333,
0.1059

91.9400, 0.3266,
0.3864

93.1087, 0.3312,
0.3855

94.3250, 0.3358,
0.3847

Harmonies

Analogous

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



30.8452, 0.2407, 0.2311



30.8452, 0.2938, 0.2434



30.8452, 0.3582, 0.2736

Triad

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



30.8452, 0.2938, 0.2434



30.8452, 0.4248, 0.4098



30.8452, 0.2197, 0.3304

Complementary

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



30.8452, 0.2938, 0.2434



50.3315, 0.3260, 0.4194

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.



30.8452, 0.2624, 0.3951



30.8452, 0.2938, 0.2434



30.8452, 0.3809, 0.4404

Square

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



30.8452, 0.2938, 0.2434



30.8452, 0.4382, 0.3643



30.8452, 0.3213, 0.4383



30.8452, 0.2015, 0.2738

Rectangle

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



30.8452, 0.2938, 0.2434



30.8452, 0.3975, 0.3010



30.8452, 0.3213, 0.4383



30.8452, 0.2314, 0.3523

Sweetspot

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



30.8465, 0.2938, 0.2434



83.1279, 0.3078, 0.3039



34.0571, 0.2595, 0.2696



17.3226, 0.3071, 0.3002



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.



30.8465, 0.2938, 0.2434



46.0440, 0.2884, 0.2238



33.3811, 0.3249, 0.2587



10.6220, 0.3082, 0.3058



5.6898, 0.2345, 0.1066



0.3088, 0.2528, 0.1166

Inverse Universe

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



32.0708, 0.3606, 0.2992



48.6330, 0.3755, 0.2925



48.4714, 0.3025, 0.4113



10.6978, 0.3235, 0.3209



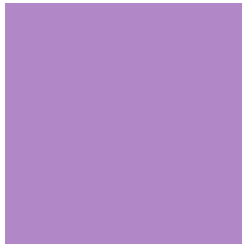
8.1093, 0.5542, 0.2827



0.3977, 0.4958, 0.2505

Previews

White Background



This preview shows how the Yxy color 30.8452, 0.2938, 0.2434 looks on a white background.

Color Contrast Check

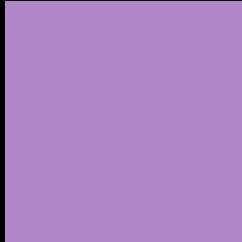
Large Text (above 18pt) WCAG AA × Fail

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 30.8452, 0.2938, 0.2434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

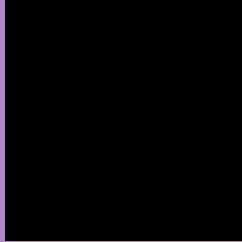
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8452, 0.2938, 0.2434

Background



This preview shows how black text looks on a background with the Yxy color 30.8452, 0.2938, 0.2434.



This preview shows how white text looks on a background with the Yxy color 30.8452, 0.2938, 0.2434.

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

30.8452, 0.2938, 0.2434

Protanopia

31.1036, 0.2481, 0.2410

Deuteranopia

30.8737, 0.2646, 0.2581



Tritanopia

30.8591, 0.3293, 0.3130

Trichromacy



Original Color

30.8452, 0.2938, 0.2434

Protanomaly

30.7474, 0.2625, 0.2413

Deuteranomaly

30.5922, 0.2744, 0.2518

Tritanomaly

30.8743, 0.3168, 0.2867

Monochromacy



Original Color

30.8452, 0.2938, 0.2434

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.9066, 0.3063, 0.2957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8452, 0.2938, 0.2434 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(177, 135, 200)` looks like.

```
.text, #text, p{  
    color:rgb(177, 135, 200)  
}
```

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(177, 135, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 135, 200) }
```

Border

The CSS property to change the border of an element to Yxy 30.8452, 0.2938, 0.2434 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(177, 135, 200) }
```

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

```
.border{ border-color:rgb(177, 135, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 135, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 135, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 135, 200);  
box-shadow:4px 4px 4px 4px rgb(177, 135,  
200) }
```


Background

The CSS property to change the background color of an element to Rgb 30.8452, 0.2938, 0.2434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 135, 200) }
```

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

```
.background{ background-color: rgb(177,  
135, 200) }
```

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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