

Converting Colors

$Y_{xy}(33.9620, 0.2962, 0.2486)$

Have a look what the booklet for
Yxy(33.9620, 0.2962, 0.2486)
contains.

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Color

Yxy(33.9441, 0.2962, 0.2485)

Conversions

Conversions Part 1

Format	Color
Hex	B88ECD
RGB	184, 142, 205
RGB Percent	72%, 56%, 80%
CMY	0.2785, 0.4431, 0.1960
CMYK	0.10, 0.31, 0.00, 0.20
HSL	280°, 39%, 68%
HSV	280°, 31%, 80%
XYZ	40.4597, 33.9441, 62.1921
YIQ	161.7400, 4.8090, 28.4970

Conversions

Conversions Part 2

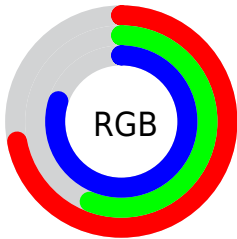
Format	Color
RYB	184, 142, 205
Decimal	12095181
CIELab	64.92, 27.34, -26.43
CIELCh	65, 38.024, 315.971
Yxy	33.9441, 0.2962, 0.2485
Android (android.graphics.Color)	4290285261 (0xFFB88ECD)
YUV	161.7400, 21.3272, 19.5220
Hunter-Lab	58.2616, 22.0015, -22.5069

Details

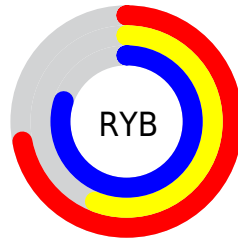
The Yxy color **33.9441, 0.2962, 0.2485** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.4184, 0.3244, 0.4143**, and the grayscale version is **35.9008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4006, 0.3051, 0.2694**, and **14.4624, 0.2892, 0.2257** is the 20% darker color. If you saturate the color by 10%, you get **27.5705, 0.2890, 0.2208**, and if you desaturate by 10%, it is **41.4835, 0.3025, 0.2759**.

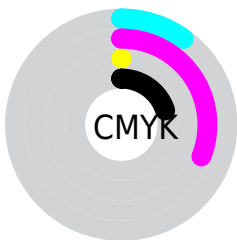
Distribution



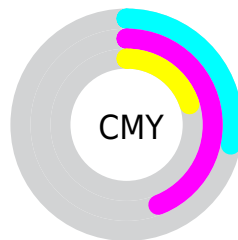
- Red (72%)
- Green (56%)
- Blue (80%)



- Red (72%)
- Yellow (56%)
- Blue (80%)



- Cyan (10%)
- Magenta (31%)
- Yellow (0%)
- Black (20%)



- Cyan (28%)
- Magenta (44%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9441, 0.2962, 0.2485 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 33.9441, 0.2962, 0.2485 by changing the saturation by 10% instead.


 33.9441, 0.2962,
0.2485


 33.9441, 0.2962,
0.2485

319.8827, 0.3056,
0.2883


 22.8507, 0.2935,
0.2388


 65.8467, 0.2999,
0.2628

 14.4833, 0.2898,
0.2265


 87.4247, 0.3012,
0.2682

 8.4575, 0.2846,
0.2105


 113.2663, 0.3023,
0.2728

 4.3891, 0.2767,
0.1889

143.7560, 0.3032,
0.2768

 1.8935, 0.2638,
0.1585

179.2780, 0.3039,
0.2802

 0.5445, 0.2419,
0.1068

220.2169, 0.3046,

 0.0000, 0.0952,

0.2832

0.0000

266.9570, 0.3051,
0.2859

0.0000, 0.0000,
0.0000

33.9441, 0.2962,
0.2485

33.9441, 0.2962,
0.2485

27.5705, 0.2890,
0.2208

41.4835, 0.3025,
0.2759

22.2962, 0.2811,
0.1939

50.2419, 0.3079,
0.3023

18.0545, 0.2725,
0.1689

60.2743, 0.3124,
0.3272

14.7697, 0.2634,
0.1470


71.6310, 0.3162,
0.3503


12.3550, 0.2544,
0.1293

84.3595, 0.3193,
0.3715

 10.7077, 0.2455,
0.1165

 91.9446, 0.3227,
0.3812

 9.6927, 0.2377,
0.1083

 93.0670, 0.3272,
0.3805

 94.2340, 0.3316,
0.3797

 95.4461, 0.3361,
0.3790

Harmonies

Analogous

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



33.9441, 0.2457, 0.2366



33.9441, 0.2962, 0.2485



33.9441, 0.3565, 0.2774

Triad

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



33.9441, 0.2962, 0.2485



33.9441, 0.4176, 0.4063



33.9441, 0.2247, 0.3295

Complementary

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



33.9441, 0.2962, 0.2485



53.4184, 0.3244, 0.4143

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.



33.9441, 0.2648, 0.3896



33.9441, 0.2962, 0.2485



33.9441, 0.3763, 0.4338

Square

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



33.9441, 0.2962, 0.2485



33.9441, 0.4304, 0.3637



33.9441, 0.3202, 0.4303



33.9441, 0.2077, 0.2768

Rectangle

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



33.9441, 0.2962, 0.2485



33.9441, 0.3930, 0.3037



33.9441, 0.3202, 0.4303



33.9441, 0.2357, 0.3499

Sweetspot

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



33.9455, 0.2962, 0.2485



84.7973, 0.3087, 0.3065



36.7333, 0.2623, 0.2717



17.6595, 0.3079, 0.3027



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.



33.9455, 0.2962, 0.2485



48.3562, 0.2915, 0.2298



36.2962, 0.3252, 0.2636



11.2089, 0.3085, 0.3058



6.0863, 0.2389, 0.1090



0.3544, 0.2552, 0.1180

Inverse Universe

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



34.9760, 0.3585, 0.3023



50.4397, 0.3727, 0.2963



51.6750, 0.3024, 0.4046



11.2744, 0.3238, 0.3213



8.3590, 0.5619, 0.2869



0.4453, 0.5063, 0.2563

Previews

White Background



This preview shows how the Yxy color 33.9441, 0.2962, 0.2485 looks on a white background.

Color Contrast Check

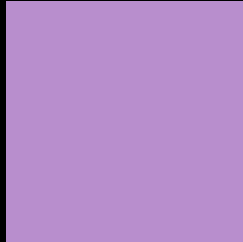
Large Text (above 18pt) WCAG AA × Fail

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 33.9441, 0.2962, 0.2485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

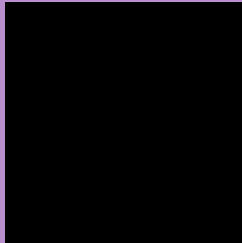
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9441, 0.2962, 0.2485

Background



This preview shows how black text looks on a background with the Yxy color 33.9441, 0.2962, 0.2485.



This preview shows how white text looks on a background with the Yxy color 33.9441, 0.2962, 0.2485.

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

33.9441, 0.2962, 0.2485

Protanopia

34.2587, 0.2529, 0.2477

Deuteranopia

34.1440, 0.2678, 0.2621



Tritanopia

33.7684, 0.3288, 0.3122

Trichromacy



Original Color

33.9441, 0.2962, 0.2485

Protanomaly

33.9043, 0.2673, 0.2480

Deuteranomaly

33.8537, 0.2775, 0.2559

Tritanomaly

33.7851, 0.3167, 0.2869

Monochromacy



Original Color

33.9441, 0.2962, 0.2485

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.2031, 0.3065, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9441, 0.2962, 0.2485 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(184, 142, 205)` looks like.

```
.text, #text, p{  
    color:rgb(184, 142, 205)  
}
```

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(184, 142, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 142, 205) }
```

Border

The CSS property to change the border of an element to Yxy 33.9441, 0.2962, 0.2485 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(184, 142, 205) }
```

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

```
.border{ border-color:rgb(184, 142, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 142, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 142, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 142, 205);  
box-shadow:4px 4px 4px 4px rgb(184, 142,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9441, 0.2962, 0.2485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 142, 205) }
```

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

```
.background{ background-color: rgb(184,  
142, 205) }
```

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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