

Converting Colors

$Y_{xy}(33.4670, 0.2872, 0.2263)$

Have a look what the booklet for
Yxy(33.4670, 0.2872, 0.2263)
contains.

Yxy(33.4670, 0.2872, 0.2263)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.4670, 0.2872, 0.2263)

Conversions

Conversions Part 1

Format	Color
Hex	BC88DC
RGB	188, 136, 220
RGB Percent	74%, 53%, 86%
CMY	0.2625, 0.4668, 0.1372
CMYK	0.15, 0.38, 0.00, 0.14
HSL	277°, 55%, 70%
HSV	277°, 38%, 86%
XYZ	42.4734, 33.4670, 71.9474
YIQ	161.1240, 4.0280, 37.1480

Conversions

Conversions Part 2

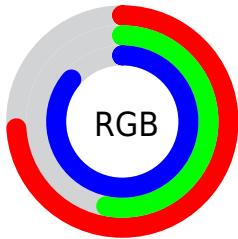
Format	Color
R _Y B	188, 136, 220
Decimal	12355804
CIE Lab	64.54, 35.12, -35.34
CIE LCh	65, 49.825, 314.819
Yxy	33.4670, 0.2872, 0.2263
Android (android.graphics.Color)	4290545884 (0xFFBC88DC)
YUV	161.1240, 29.0259, 23.5703
Hunter-Lab	57.8507, 29.8142, -33.2420

Details

The Yxy color **33.4670, 0.2872, 0.2263** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.2948, 0.3295, 0.4373**, and the grayscale version is **35.5642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4594, 0.3082, 0.2638**, and **14.2002, 0.2768, 0.1994** is the 20% darker color. If you saturate the color by 10%, you get **26.8628, 0.2782, 0.1983**, and if you desaturate by 10%, it is **41.4076, 0.2953, 0.2546**.

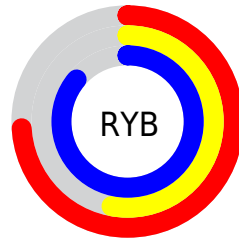
Distribution



Red (74%)

Green (53%)

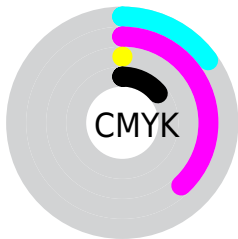
Blue (86%)



Red (74%)

Yellow (53%)

Blue (86%)

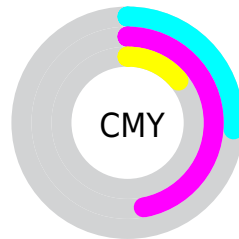


Cyan (15%)

Magenta (38%)

Yellow (0%)

Black (14%)



Cyan (26%)


Magenta (47%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4670, 0.2872, 0.2263 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 33.4670, 0.2872, 0.2263 by changing the saturation by 10% instead.


 33.4670, 0.2872,
0.2263


 33.4670, 0.2872,
0.2263


317.7488, 0.3017,
0.2759


 22.4844, 0.2831,
0.2146


 65.1039, 0.2928,
0.2439

 14.2133, 0.2776,
0.2000


 86.5271, 0.2948,
0.2506

 8.2692, 0.2700,
0.1814

 112.1993, 0.2965,
0.2564

 4.2677, 0.2588,
0.1572

142.5048, 0.2979,
0.2613

 1.8244, 0.2411,
0.1248

177.8282, 0.2991,
0.2657

 0.5023, 0.2126,
0.0743

218.5537, 0.3001,


 0.0000, 0.1193,


0.2695


0.0000


265.0658, 0.3009,
0.2729


 0.0000, 0.0000,
0.0000


 33.4670, 0.2872,
0.2263


 33.4670, 0.2872,
0.2263

 26.8628, 0.2782,
0.1983


 41.4076, 0.2953,
0.2546


 21.5113, 0.2684,
0.1718


 50.7530, 0.3024,
0.2823


 17.3258, 0.2581,
0.1481

 61.5722, 0.3085,
0.3087

 14.2065, 0.2478,
0.1284


 73.9279, 0.3136,
0.3333

 12.0358, 0.2377,
0.1136


 87.8794, 0.3178,
0.3559

 10.6440, 0.2282,
0.1037

 94.9124, 0.3225,
0.3643

 10.4306, 0.2266,
0.1022

 96.3971, 0.3279,
0.3637

 97.9486, 0.3333,
0.3631

Harmonies

Analogous

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



33.4670, 0.2244, 0.2119



33.4670, 0.2872, 0.2263



33.4670, 0.3664, 0.2612

Triad

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



33.4670, 0.2872, 0.2263



33.4670, 0.4488, 0.4227



33.4670, 0.2008, 0.3307

Complementary

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



33.4670, 0.2872, 0.2263



61.2948, 0.3295, 0.4373

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.



33.4670, 0.2514, 0.4136



33.4670, 0.2872, 0.2263



33.4670, 0.3946, 0.4645

Square

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



33.4670, 0.2872, 0.2263



33.4670, 0.4665, 0.3669



33.4670, 0.3223, 0.4670



33.4670, 0.1798, 0.2611

Rectangle

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



33.4670, 0.2872, 0.2263



33.4670, 0.4159, 0.2930



33.4670, 0.3223, 0.4670



33.4670, 0.2145, 0.3586

Sweetspot

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



33.4684, 0.2872, 0.2263



81.4231, 0.3068, 0.3012



38.4780, 0.2494, 0.2586



16.9770, 0.3060, 0.2977



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.



33.4684, 0.2872, 0.2263



39.0687, 0.2799, 0.2033



37.4850, 0.3263, 0.2447



13.0146, 0.3078, 0.3055



6.1859, 0.2279, 0.1029



0.4496, 0.2430, 0.1113

Inverse Universe

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



35.6462, 0.3704, 0.2909



42.7416, 0.3889, 0.2829



58.4997, 0.3016, 0.4312



13.1331, 0.3232, 0.3201



9.3228, 0.5446, 0.2774



0.6204, 0.5004, 0.2530

Previews

White Background



This preview shows how the Yxy color 33.4670, 0.2872, 0.2263 looks on a white background.

Color Contrast Check

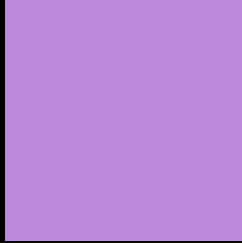
Large Text (above 18pt) WCAG AA × Fail

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 33.4670, 0.2872, 0.2263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

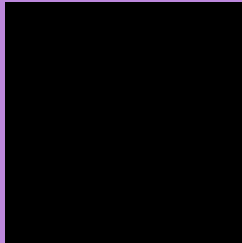
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4670, 0.2872, 0.2263

Background



This preview shows how black text looks on a background with the Yxy color 33.4670, 0.2872, 0.2263.



This preview shows how white text looks on a background with the Yxy color 33.4670, 0.2872, 0.2263.

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

33.4670, 0.2872, 0.2263

Protanopia

33.7765, 0.2333, 0.2213

Deuteranopia

33.8038, 0.2506, 0.2448



Tritanopia

33.6167, 0.3330, 0.3137

Trichromacy



Original Color

33.4670, 0.2872, 0.2263



Protanomaly

33.0646, 0.2492, 0.2210



Deuteranomaly

33.2575, 0.2626, 0.2372



Tritanomaly

33.2690, 0.3151, 0.2780

Monochromacy



Original Color

33.4670, 0.2872, 0.2263



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.4918, 0.3040, 0.2876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4670, 0.2872, 0.2263 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(188, 136, 220)` looks like.

```
.text, #text, p{  
    color:rgb(188, 136, 220)  
}
```

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(188, 136, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 136, 220) }
```

Border

The CSS property to change the border of an element to Yxy 33.4670, 0.2872, 0.2263 is called "border". The border property can be set on classes, ids or directly on the HTML element.

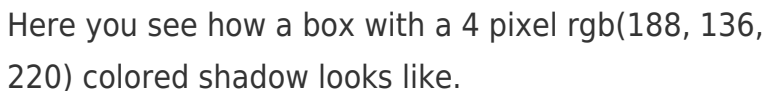
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 136, 220) }
```

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

```
.border{ border-color:rgb(188, 136, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 136, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 136, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 136, 220);  
box-shadow:4px 4px 4px 4px rgb(188, 136,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4670, 0.2872, 0.2263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 136, 220) }
```

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

```
.background{ background-color: rgb(188,  
136, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor