

Converting Colors

$Y_{xy}(33.5664, 0.2894, 0.2296)$

Have a look what the booklet for
Yxy(33.5664, 0.2894, 0.2296)
contains.

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Color

Yxy(33.6446, 0.2889, 0.2295)

Conversions

Conversions Part 1

Format	Color
Hex	BC89DA
RGB	188, 137, 218
RGB Percent	74%, 54%, 85%
CMY	0.2625, 0.4629, 0.1450
CMYK	0.14, 0.37, 0.00, 0.15
HSL	278°, 52%, 70%
HSV	278°, 37%, 85%
XYZ	42.3526, 33.6446, 70.6024
YIQ	161.4830, 4.3950, 36.0030

Conversions

Conversions Part 2

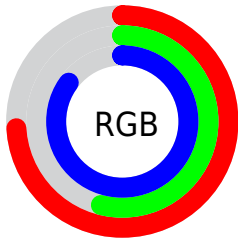
Format	Color
R _Y B	188, 137, 218
Decimal	12356058
CIE Lab	64.68, 34.14, -34.01
CIE LCh	65, 48.189, 315.117
Yxy	33.6446, 0.2889, 0.2295
Android (android.graphics.Color)	4290546138 (0xFFBC89DA)
YUV	161.4830, 27.8629, 23.2554
Hunter-Lab	58.0040, 28.8280, -31.5649

Details

The Yxy color $33.6446, 0.2889, 0.2295$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $60.1641, 0.3285, 0.4343$, and the grayscale version is $35.7453, 0.3127, 0.3290$.

A 20% lighter version of the original color is $63.8941, 0.3081, 0.2648$, and $14.2865, 0.2791, 0.2033$ is the 20% darker color. If you saturate the color by 10%, you get $27.0675, 0.2802, 0.2016$, and if you desaturate by 10%, it is $41.5338, 0.2966, 0.2577$.

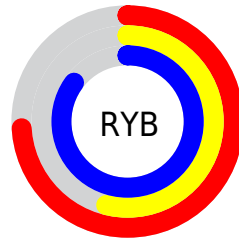
Distribution



Red (74%)

Green (54%)

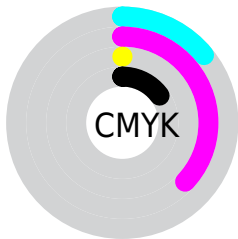
Blue (85%)



Red (74%)

Yellow (54%)

Blue (85%)

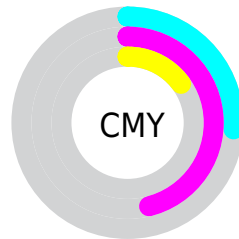


Cyan (14%)

Magenta (37%)

Yellow (0%)

Black (15%)



Cyan (26%)

Magenta (46%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6446, 0.2889, 0.2295 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 33.6446, 0.2889, 0.2295 by changing the saturation by 10% instead.


 33.6446, 0.2889,
0.2295


 33.6446, 0.2889,
0.2295


318.5444, 0.3025,
0.2777


 22.6207, 0.2851,
0.2181


 65.3806, 0.2942,
0.2466

 14.3137, 0.2799,
0.2038

 86.8615, 0.2961,
0.2531

 8.3392, 0.2727,
0.1856


 112.5969, 0.2976,
0.2587

 4.3127, 0.2620,
0.1617

142.9711, 0.2989,
0.2636

 1.8500, 0.2452,
0.1295

178.3686, 0.3000,
0.2678

 0.5180, 0.2177,
0.0792

219.1737, 0.3009,

 0.0000, 0.1225,

0.2715

0.0000

265.7708, 0.3017,
0.2748

■ 0.0000, 0.0000,
0.0000

■ 33.6446, 0.2889,
0.2295

■ 33.6446, 0.2889,
0.2295

■ 27.0675, 0.2802,
0.2016

■ 41.5338, 0.2966,
0.2577

■ 21.7215, 0.2708,
0.1750

■ 50.8012, 0.3034,
0.2852

■ 17.5229, 0.2609,
0.1512

■ 61.5138, 0.3091,
0.3113


■ 14.3755, 0.2508,
0.1313


■ 73.7324, 0.3140,
0.3357


■ 12.1668, 0.2409,
0.1161

■ 87.5146, 0.3180,
0.3581


 10.7477, 0.2316,
0.1060

 94.4858, 0.3225,
0.3665

 10.4186, 0.2291,
0.1036

 95.8995, 0.3277,
0.3659

 97.3763, 0.3329,
0.3653

 97.8428, 0.3345,
0.3651

Harmonies

Analogous

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



33.6446, 0.2276, 0.2153



33.6446, 0.2889, 0.2295



33.6446, 0.3655, 0.2637

Triad

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



33.6446, 0.2889, 0.2295



33.6446, 0.4443, 0.4209



33.6446, 0.2039, 0.3301

Complementary

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



33.6446, 0.2889, 0.2295



60.1641, 0.3285, 0.4343

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.



33.6446, 0.2530, 0.4097



33.6446, 0.2889, 0.2295



33.6446, 0.3918, 0.4604

Square

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



33.6446, 0.2889, 0.2295



33.6446, 0.4614, 0.3669



33.6446, 0.3217, 0.4615



33.6446, 0.1836, 0.2630

Rectangle

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



33.6446, 0.2889, 0.2295



33.6446, 0.4130, 0.2948



33.6446, 0.3217, 0.4615



33.6446, 0.2173, 0.3569

Sweetspot

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



33.6460, 0.2889, 0.2295



81.4774, 0.3070, 0.3012



38.3988, 0.2512, 0.2609



16.9899, 0.3062, 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.



33.6460, 0.2889, 0.2295



40.1343, 0.2818, 0.2065



37.3734, 0.3259, 0.2469



13.0219, 0.3079, 0.3055



6.3038, 0.2304, 0.1043



0.4568, 0.2452, 0.1124

Inverse Universe

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



35.5789, 0.3692, 0.2930



43.4941, 0.3878, 0.2851



57.5562, 0.3019, 0.4279



13.1307, 0.3234, 0.3204



9.3010, 0.5489, 0.2797



0.6189, 0.5042, 0.2551

Previews

White Background



This preview shows how the Yxy color 33.6446, 0.2889, 0.2295 looks on a white background.

Color Contrast Check

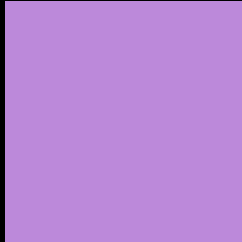
Large Text (above 18pt) WCAG AA × Fail

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 33.6446, 0.2889, 0.2295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

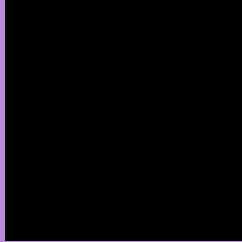
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6446, 0.2889, 0.2295

Background



This preview shows how black text looks on a background with the Yxy color 33.6446, 0.2889, 0.2295.



This preview shows how white text looks on a background with the Yxy color 33.6446, 0.2889, 0.2295.

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

33.6446, 0.2889, 0.2295

Protanopia

34.0942, 0.2364, 0.2261

Deuteranopia

33.8732, 0.2533, 0.2475



Tritanopia

33.6518, 0.3320, 0.3123

Trichromacy



Original Color

33.6446, 0.2889, 0.2295



Protanomaly

33.4013, 0.2528, 0.2258



Deuteranomaly

33.2542, 0.2649, 0.2396



Tritanomaly

33.5733, 0.3150, 0.2794

Monochromacy



Original Color

33.6446, 0.2889, 0.2295



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 33.6446, 0.2889, 0.2295 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, 137, 218)` looks like.

```
.text, #text, p{  
    color:rgb(188, 137, 218)  
}
```

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, 137, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 137, 218) }
```

Border

The CSS property to change the border of an element to Yxy 33.6446, 0.2889, 0.2295 is called "border". The border property can be set on classes, ids or directly on the HTML element.

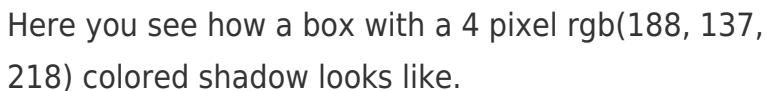
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 137, 218) }
```

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

```
.border{ border-color:rgb(188, 137, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 137, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 137, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 137, 218);  
box-shadow:4px 4px 4px 4px rgb(188, 137,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6446, 0.2889, 0.2295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 137, 218) }
```

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

```
.background{ background-color: rgb(188,  
137, 218) }
```

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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