

Converting Colors

$Y_{xy}(33.1757, 0.2687, 0.1897)$

Have a look what the booklet for
Yxy(33.1757, 0.2687, 0.1897)
contains.

Yxy(33.0387, 0.2688, 0.1896)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.0387, 0.2688, 0.1896)

Conversions

Conversions Part 1

Format	Color
Hex	C27DFA
RGB	194, 125, 250
RGB Percent	76%, 49%, 98%
CMY	0.2392, 0.5098, 0.0195
CMYK	0.22, 0.50, 0.00, 0.02
HSL	273°, 93%, 74%
HSV	273°, 50%, 98%
XYZ	46.8397, 33.0387, 94.3764
YIQ	159.8810, 0.9990, 53.5030

Conversions

Conversions Part 2

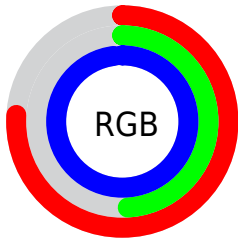
Format	Color
RYB	194, 125, 250
Decimal	12746234
CIELab	64.19, 49.28, -52.43
CIElCh	64, 71.955, 313.228
Yxy	33.0387, 0.2688, 0.1896
Android (android.graphics.Color)	4290936314 (0xFFC27DFA)
YUV	159.8810, 44.4287, 29.9224
Hunter-Lab	57.4793, 44.8702, -57.1139

Details

The Yxy color **33.0387, 0.2688, 0.1896** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **79.6996, 0.3382, 0.4732**, and the grayscale version is **34.8881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3428, 0.3146, 0.2542**, and **13.9337, 0.2530, 0.1579** is the 20% darker color. If you saturate the color by 10%, you get **26.0593, 0.2570, 0.1622**, and if you desaturate by 10%, it is **41.7255, 0.2798, 0.2186**.

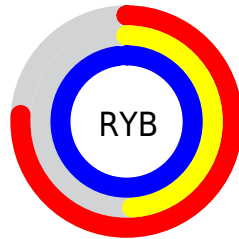
Distribution



Red (76%)

Green (49%)

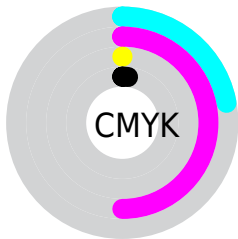
Blue (98%)



Red (76%)

Yellow (49%)

Blue (98%)

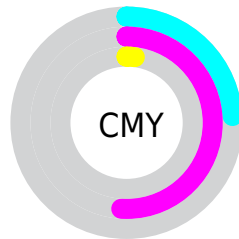


Cyan (22%)

Magenta (50%)

Yellow (0%)

Black (2%)



Cyan (24%)


Magenta (51%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0387, 0.2688, 0.1896 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 33.0387, 0.2688, 0.1896 by changing the saturation by 10% instead.


 33.0387, 0.2688,
0.1896


 33.0387, 0.2688,
0.1896


315.8241, 0.2933,
0.2539

 22.1561, 0.2622,
0.1754


 64.4359, 0.2781,
0.2116

 13.9716, 0.2536,
0.1584


 85.7194, 0.2815,
0.2203

 8.1009, 0.2420,
0.1376

 111.2385, 0.2843,
0.2278

 4.1596, 0.2259,
0.1122

141.3778, 0.2867,
0.2343

 1.7632, 0.2026,
0.0813

176.5216, 0.2887,
0.2401

 0.4641, 0.1685,
0.0406

217.0543, 0.2905,


 0.0000, 0.1125,

0.2452


0.0000


263.3604, 0.2920,
0.2498


 0.0000, 0.0000,
0.0000


 33.0387, 0.2688,
0.1896

 33.0387, 0.2688,
0.1896


 26.0593, 0.2570,
0.1622

 41.7255, 0.2798,
0.2186


 20.6591, 0.2449,
0.1378


 52.2273, 0.2898,
0.2480


 16.6972, 0.2328,
0.1179

 64.6475, 0.2986,
0.2766

 14.0047, 0.2214,
0.1033

 79.0802, 0.3062,
0.3038

 12.3053, 0.2111,
0.0936

 95.6133, 0.3127,
0.3290

99.6841, 0.3156,
0.3337

Harmonies

Analogous

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



33.0387, 0.1879, 0.1719



33.0387, 0.2688, 0.1896



33.0387, 0.3816, 0.2328

Triad

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



33.0387, 0.2688, 0.1896



33.0387, 0.4988, 0.4406



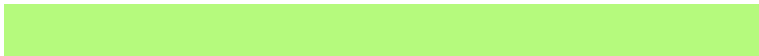
33.0387, 0.1602, 0.3325

Complementary

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



33.0387, 0.2688, 0.1896



79.6996, 0.3382, 0.4732

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.



33.0387, 0.2263, 0.4638



33.0387, 0.2688, 0.1896



33.0387, 0.4206, 0.5123

Square

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



33.0387, 0.2688, 0.1896



33.0387, 0.5295, 0.3647



33.0387, 0.3222, 0.5377



33.0387, 0.1350, 0.2327

Rectangle

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



33.0387, 0.2688, 0.1896



33.0387, 0.4563, 0.2724



33.0387, 0.3222, 0.5377



33.0387, 0.1776, 0.3760

Sweetspot

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



33.0400, 0.2688, 0.1896



74.8694, 0.3026, 0.2904



44.4192, 0.2305, 0.2420



15.3539, 0.3009, 0.2846



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.



33.0400, 0.2688, 0.1896



27.2158, 0.2569, 0.1620



41.5152, 0.3239, 0.2132



17.1152, 0.3066, 0.3051



6.6120, 0.2127, 0.0945



0.6753, 0.2249, 0.1012

Inverse Universe

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



38.3346, 0.3890, 0.2706



33.6866, 0.4132, 0.2611



74.3964, 0.3025, 0.4812



17.3545, 0.3223, 0.3184



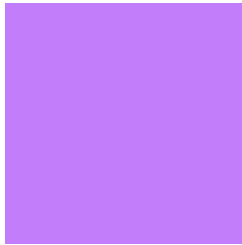
11.4295, 0.5182, 0.2628



1.0796, 0.4887, 0.2466

Previews

White Background



This preview shows how the Yxy color 33.0387, 0.2688, 0.1896 looks on a white background.

Color Contrast Check

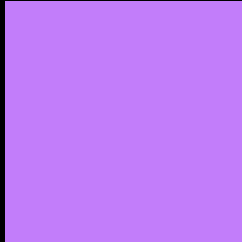
Large Text (above 18pt) WCAG AA × Fail

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 33.0387, 0.2688, 0.1896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

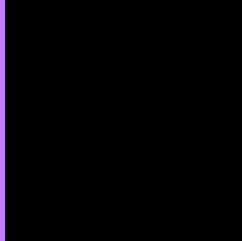
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0387, 0.2688, 0.1896

Background



This preview shows how black text looks on a background with the Yxy color 33.0387, 0.2688, 0.1896.



This preview shows how white text looks on a background with the Yxy color 33.0387, 0.2688, 0.1896.

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

33.0387, 0.2688, 0.1896

Protanopia

33.5799, 0.2151, 0.1985

Deuteranopia

33.5598, 0.2181, 0.2120



Tritanopia

32.9543, 0.3343, 0.3122

Trichromacy



Original Color

33.0387, 0.2688, 0.1896



Protanomaly

32.5764, 0.2306, 0.1932



Deuteranomaly

32.4801, 0.2326, 0.2011



Tritanomaly

32.4614, 0.3079, 0.2595

Monochromacy



Original Color

33.0387, 0.2688, 0.1896



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.4883, 0.2953, 0.2668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0387, 0.2688, 0.1896 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(194, 125, 250)` looks like.

```
.text, #text, p{  
    color:rgb(194, 125, 250)  
}
```

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(194, 125, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 125, 250) }
```

Border

The CSS property to change the border of an element to Yxy 33.0387, 0.2688, 0.1896 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(194, 125, 250) }
```

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

```
.border{ border-color:rgb(194, 125, 250) }
```

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

Here you see how a box with a 4 pixel rgb(194, 125, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 125, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 125, 250);  
box-shadow:4px 4px 4px 4px rgb(194, 125,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0387, 0.2688, 0.1896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 125, 250) }
```

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

```
.background{ background-color: rgb(194,  
125, 250) }
```

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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