

Converting Colors

$Yxy(33.0582, 0.2654, 0.2236)$

Have a look what the booklet for
Yxy(33.0582, 0.2654, 0.2236)
contains.

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Color

Yxy(32.9977, 0.2653, 0.2234)

Conversions

Conversions Part 1

Format	Color
Hex	A78EE1
RGB	167, 142, 225
RGB Percent	65%, 56%, 88%
CMY	0.3454, 0.4430, 0.1177
CMYK	0.26, 0.37, 0.00, 0.12
HSL	258°, 58%, 72%
HSV	258°, 37%, 88%
XYZ	39.1866, 32.9977, 75.5225
YIQ	158.9370, -11.7430, 31.1130

Conversions

Conversions Part 2

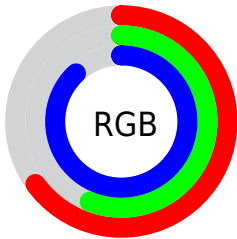
Format	Color
R_{YB}	167, 142, 225
Decimal	10981089
CIE _{Lab}	64.16, 26.62, -38.83
CIE _{LCh}	64, 47.084, 304.434
Yxy	32.9977, 0.2653, 0.2234
Android (android.graphics.Color)	4289171169 (0xFFA78EE1)
YUV	158.9370, 32.5691, 7.0713
Hunter-Lab	57.4436, 21.2419, -37.7394

Details

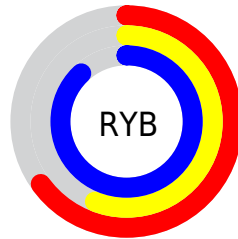
The Yxy color **32.9977, 0.2653, 0.2234** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.0833, 0.3488, 0.4267**, and the grayscale version is **34.4912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3878, 0.2920, 0.2670**, and **13.8575, 0.2500, 0.1956** is the 20% darker color. If you saturate the color by 10%, you get **25.3538, 0.2489, 0.1910**, and if you desaturate by 10%, it is **42.2040, 0.2804, 0.2550**.

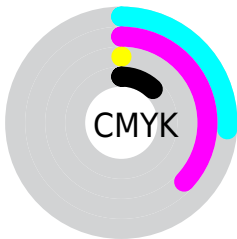
Distribution



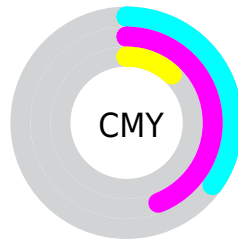
- Red (65%)
- Green (56%)
- Blue (88%)



- Red (65%)
- Yellow (56%)
- Blue (88%)



- Cyan (26%)
- Magenta (37%)
- Yellow (0%)
- Black (12%)




- Cyan (35%)
- Magenta (44%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9977, 0.2653, 0.2234 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 32.9977, 0.2653, 0.2234 by changing the saturation by 10% instead.


 32.9977, 0.2653,
0.2234


 32.9977, 0.2653,
0.2234


315.6394, 0.2907,
0.2748


 22.1247, 0.2586,
0.2112

 64.3719, 0.2748,
0.2416

 13.9485, 0.2498,
0.1960


 85.6419, 0.2783,
0.2486

 8.0849, 0.2379,
0.1767


 111.1464, 0.2813,
0.2546

 4.1493, 0.2212,
0.1515

141.2697, 0.2837,
0.2598

 1.7574, 0.1963,
0.1181

176.3963, 0.2858,
0.2642

 0.4604, 0.1590,
0.0658

216.9105, 0.2877,

 0.0000, 0.0143,

0.2682

0.0000

263.1967, 0.2893,
0.2717

■ 0.0000, 0.0000,
0.0000

■ 32.9977, 0.2653,
0.2234

■ 32.9977, 0.2653,
0.2234

■ 25.3538, 0.2489,
0.1910

■ 42.2040, 0.2804,
0.2550

■ 19.1792, 0.2317,
0.1591

■ 53.0509, 0.2938,
0.2846

■ 14.3766, 0.2144,
0.1296

■ 65.6158, 0.3056,
0.3118

■ 10.8352, 0.1981,
0.1046

■ 79.9700, 0.3157,
0.3364

■ 8.4258, 0.1838,
0.0856

■ 96.1808, 0.3244,
0.3583

■ 6.9838, 0.1722,
0.0735

■ 98.2151, 0.3304,
0.3582

■ 6.6475, 0.1691,
0.0705

Harmonies

Analogous

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



32.9977, 0.2133, 0.2175



32.9977, 0.2653, 0.2234



32.9977, 0.3374, 0.2507

Triad

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



32.9977, 0.2653, 0.2234



32.9977, 0.4531, 0.4016



32.9977, 0.2198, 0.3584

Complementary

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



32.9977, 0.2653, 0.2234



68.0833, 0.3488, 0.4267

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.



32.9977, 0.2768, 0.4316



32.9977, 0.2653, 0.2234



32.9977, 0.4121, 0.4476

Square

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



32.9977, 0.2653, 0.2234



32.9977, 0.4541, 0.3471



32.9977, 0.3472, 0.4647



32.9977, 0.1893, 0.2848

Rectangle

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



32.9977, 0.2653, 0.2234



32.9977, 0.3875, 0.2784



32.9977, 0.3472, 0.4647



32.9977, 0.2362, 0.3849

Sweetspot

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



32.9990, 0.2653, 0.2234



79.8561, 0.3008, 0.3007



52.5414, 0.2567, 0.2970



16.6041, 0.2992, 0.2970



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.



32.9990, 0.2653, 0.2234



36.0913, 0.2532, 0.1993



38.2573, 0.3018, 0.2338



13.4417, 0.3027, 0.3051



3.8846, 0.1705, 0.0713



0.3149, 0.1871, 0.0804

Inverse Universe

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



39.5337, 0.3403, 0.2630



46.0823, 0.3478, 0.2500



63.1254, 0.3185, 0.4368



13.8619, 0.3183, 0.3127



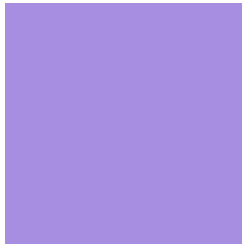
10.6576, 0.4143, 0.2056



0.7543, 0.3964, 0.1958

Previews

White Background



This preview shows how the Yxy color 32.9977, 0.2653, 0.2234 looks on a white background.

Color Contrast Check

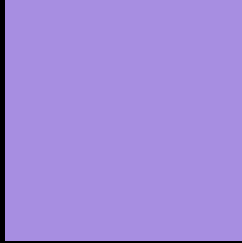
Large Text (above 18pt) WCAG AA × Fail

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 32.9977, 0.2653, 0.2234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

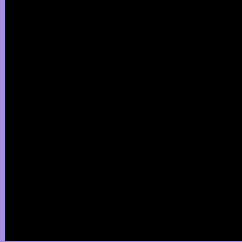
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9977, 0.2653, 0.2234

Background



This preview shows how black text looks on a background with the Yxy color 32.9977, 0.2653, 0.2234.



This preview shows how white text looks on a background with the Yxy color 32.9977, 0.2653, 0.2234.

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

32.9977, 0.2653, 0.2234

Protanopia

33.2350, 0.2323, 0.2206

Deuteranopia

33.1310, 0.2411, 0.2353



Tritanopia

32.9323, 0.3038, 0.3112

Trichromacy



Original Color

32.9977, 0.2653, 0.2234

Protanomaly

33.0152, 0.2431, 0.2210

Deuteranomaly

32.9800, 0.2489, 0.2309

Tritanomaly

32.8741, 0.2893, 0.2767

Monochromacy



Original Color

32.9977, 0.2653, 0.2234

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.8827, 0.2947, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9977, 0.2653, 0.2234 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(167, 142, 225)` looks like.

```
.text, #text, p{  
    color:rgb(167, 142, 225)  
}
```

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(167, 142, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 142, 225) }
```

Border

The CSS property to change the border of an element to Yxy 32.9977, 0.2653, 0.2234 is called "border". The border property can be set on classes, ids or directly on the HTML element.

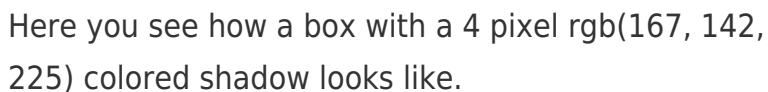
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 142, 225) }
```

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

```
.border{ border-color:rgb(167, 142, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 142, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 142, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 142, 225);  
box-shadow:4px 4px 4px 4px rgb(167, 142,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9977, 0.2653, 0.2234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 142, 225) }
```

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

```
.background{ background-color: rgb(167,  
142, 225) }
```

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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