

Converting Colors

$Y_{xy}(32.0472, 0.2702, 0.2165)$

Have a look what the booklet for
Yxy(32.0472, 0.2702, 0.2165)
contains.

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Color

Yxy(32.0980, 0.2700, 0.2167)

Conversions

Conversions Part 1

Format	Color
Hex	AE88E2
RGB	174, 136, 226
RGB Percent	68%, 53%, 89%
CMY	0.3175, 0.4667, 0.1138
CMYK	0.23, 0.40, 0.00, 0.11
HSL	265°, 61%, 71%
HSV	265°, 40%, 89%
XYZ	39.9929, 32.0980, 76.0309
YIQ	157.6220, -6.2420, 36.0460

Conversions

Conversions Part 2

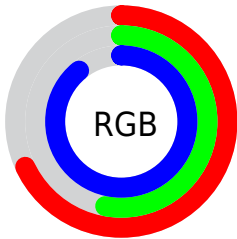
Format	Color
RYB	174, 136, 226
Decimal	11438306
CIELab	63.42, 32.33, -40.50
CIELCh	63, 51.819, 308.599
Yxy	32.0980, 0.2700, 0.2167
Android (android.graphics.Color)	4289628386 (0xFFAE88E2)
YUV	157.6220, 33.7104, 14.3635
Hunter-Lab	56.6551, 26.8569, -39.9084

Details

The Yxy color **32.0980, 0.2700, 0.2167** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **66.8470, 0.3430, 0.4379**, and the grayscale version is **33.8611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0358, 0.2977, 0.2617**, and **13.3923, 0.2560, 0.1878** is the 20% darker color. If you saturate the color by 10%, you get **24.9650, 0.2560, 0.1859**, and if you desaturate by 10%, it is **40.7209, 0.2829, 0.2473**.

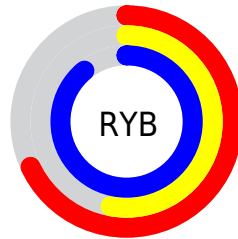
Distribution



Red (68%)

Green (53%)

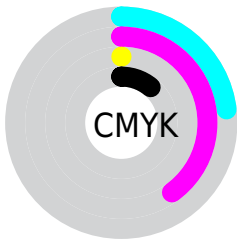
Blue (89%)



Red (68%)

Yellow (53%)

Blue (89%)

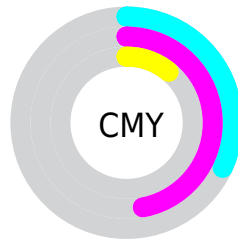


Cyan (23%)

Magenta (40%)

Yellow (0%)

Black (11%)



Cyan (32%)


Magenta (47%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0980, 0.2700, 0.2167 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 32.0980, 0.2700, 0.2167 by changing the saturation by 10% instead.


 32.0980, 0.2700,
0.2167


 32.0980, 0.2700,
0.2167


311.5654, 0.2933,
0.2710


 21.4364, 0.2637,
0.2040


 62.9647, 0.2789,
0.2359

 13.4433, 0.2554,
0.1881


 83.9385, 0.2821,
0.2433

 7.7345, 0.2441,
0.1681


 109.1186, 0.2848,
0.2496

 3.9256, 0.2281,
0.1423

138.8892, 0.2870,
0.2550

 1.6320, 0.2039,
0.1086

173.6348, 0.2890,
0.2598

 0.3790, 0.1679,
0.0535

213.7398, 0.2906,

 0.0000, 0.0376,

0.2640

0.0000

259.5885, 0.2921,
0.2677

0.0000, 0.0000,
0.0000

32.0980, 0.2700,
0.2167

32.0980, 0.2700,
0.2167

24.9650, 0.2560,
0.1859

40.7209, 0.2829,
0.2473

19.2288, 0.2411,
0.1564

50.9114, 0.2943,
0.2767

14.7917, 0.2261,
0.1297

62.7463, 0.3043,
0.3042

11.5410, 0.2117,
0.1076

76.2962, 0.3129,
0.3294

9.3433, 0.1985,
0.0913

91.6274, 0.3201,
0.3522

■ 7.9742, 0.1872,
0.0805

■ 97.7626, 0.3280,
0.3573

■ 7.9533, 0.1870,
0.0804

■ 98.2704, 0.3298,
0.3572

Harmonies

Analogous

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



32.0980, 0.2099, 0.2065



32.0980, 0.2700, 0.2167



32.0980, 0.3514, 0.2490

Triad

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



32.0980, 0.2700, 0.2167



32.0980, 0.4629, 0.4145



32.0980, 0.2037, 0.3486

Complementary

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



32.0980, 0.2700, 0.2167



66.8470, 0.3430, 0.4379

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.



32.0980, 0.2620, 0.4348



32.0980, 0.2700, 0.2167



32.0980, 0.4119, 0.4642

Square

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



32.0980, 0.2700, 0.2167



32.0980, 0.4723, 0.3553



32.0980, 0.3383, 0.4793



32.0980, 0.1757, 0.2697

Rectangle

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



32.0980, 0.2700, 0.2167



32.0980, 0.4063, 0.2801



32.0980, 0.3383, 0.4793



32.0980, 0.2201, 0.3788

Sweetspot

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



32.0993, 0.2700, 0.2167



78.8095, 0.3022, 0.2982



46.8994, 0.2503, 0.2797



16.4175, 0.3009, 0.2947



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.



32.0993, 0.2700, 0.2167



34.1201, 0.2581, 0.1905



38.0764, 0.3103, 0.2290



13.5251, 0.3046, 0.3052



4.6044, 0.1886, 0.0813



0.3710, 0.2060, 0.0908

Inverse Universe

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



37.4001, 0.3547, 0.2695



42.2492, 0.3676, 0.2572



62.0475, 0.3117, 0.4493



13.8325, 0.3202, 0.3156



10.1747, 0.4628, 0.2323



0.7230, 0.4350, 0.2170

Previews

White Background



This preview shows how the Yxy color 32.0980, 0.2700, 0.2167 looks on a white background.

Color Contrast Check

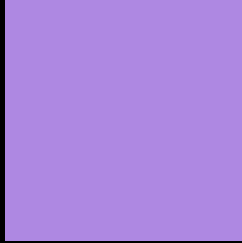
Large Text (above 18pt) WCAG AA × Fail

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 32.0980, 0.2700, 0.2167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

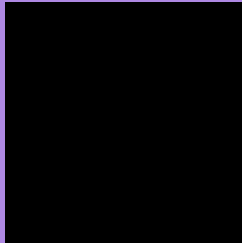
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0980, 0.2700, 0.2167

Background



This preview shows how black text looks on a background with the Yxy color 32.0980, 0.2700, 0.2167.



This preview shows how white text looks on a background with the Yxy color 32.0980, 0.2700, 0.2167.

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

32.0980, 0.2700, 0.2167

Protanopia

32.5028, 0.2262, 0.2120

Deuteranopia

32.2198, 0.2374, 0.2307



Tritanopia

32.2079, 0.3145, 0.3114

Trichromacy



Original Color

32.0980, 0.2700, 0.2167

Protanomaly

32.1610, 0.2401, 0.2138

Deuteranomaly

31.7792, 0.2475, 0.2244

Tritanomaly

31.9691, 0.2975, 0.2732

Monochromacy



Original Color

32.0980, 0.2700, 0.2167

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.1241, 0.2965, 0.2825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0980, 0.2700, 0.2167 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(174, 136, 226)` looks like.

```
.text, #text, p{  
    color:rgb(174, 136, 226)  
}
```

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(174, 136, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 136, 226) }
```

Border

The CSS property to change the border of an element to Yxy 32.0980, 0.2700, 0.2167 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(174, 136, 226) }
```

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

```
.border{ border-color:rgb(174, 136, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 136, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 136, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 136, 226);  
box-shadow:4px 4px 4px 4px rgb(174, 136,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0980, 0.2700, 0.2167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 136, 226) }
```

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

```
.background{ background-color: rgb(174,  
136, 226) }
```

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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