

Converting Colors

$Y_{xy}(32.2240, 0.2976, 0.2676)$

Have a look what the booklet for
Yxy(32.2240, 0.2976, 0.2676)
contains.

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Color

Yxy(32.2786, 0.2978, 0.2674)

Conversions

Conversions Part 1

Format	Color
Hex	AB90BD
RGB	171, 144, 189
RGB Percent	67%, 56%, 74%
CMY	0.3295, 0.4352, 0.2588
CMYK	0.10, 0.24, 0.00, 0.26
HSL	276°, 25%, 65%
HSV	276°, 24%, 74%
XYZ	35.9483, 32.2786, 52.4859
YIQ	157.2030, 1.6470, 19.7190

Conversions

Conversions Part 2

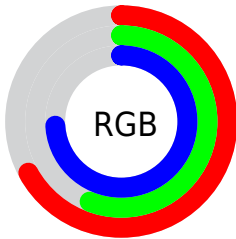
Format	Color
R _Y B	171, 144, 189
Decimal	11243709
CIE Lab	63.57, 18.61, -19.62
CIE LCh	64, 27.041, 313.476
Yxy	32.2786, 0.2978, 0.2674
Android (android.graphics.Color)	4289433789 (0xFFAB90BD)
YUV	157.2030, 15.6759, 12.1000
Hunter-Lab	56.8143, 13.5179, -15.0031

Details

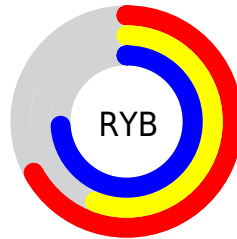
The Yxy color **32.2786, 0.2978, 0.2674** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.1021, 0.3246, 0.3923**, and the grayscale version is **33.7401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3116, 0.3016, 0.2793**, and **13.4578, 0.2913, 0.2476** is the 20% darker color. If you saturate the color by 10%, you get **26.1981, 0.2898, 0.2394**, and if you desaturate by 10%, it is **39.3692, 0.3048, 0.2944**.

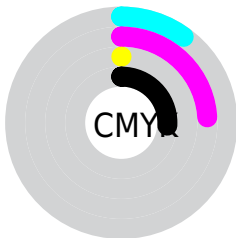
Distribution



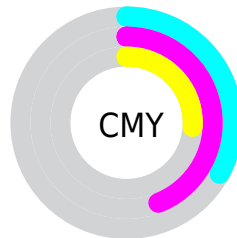
- Red (67%)
- Green (56%)
- Blue (74%)



- Red (67%)
- Yellow (56%)
- Blue (74%)



- Cyan (10%)
- Magenta (24%)
- Yellow (0%)
- Black (26%)





- Cyan (33%)
- Magenta (44%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2786, 0.2978, 0.2674 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 32.2786, 0.2978, 0.2674 by changing the saturation by 10% instead.


 32.2786, 0.2978,
0.2674

 32.2786, 0.2978,
0.2674


312.3864, 0.3061,
0.2987

 21.5744, 0.2954,
0.2595


 63.2476, 0.3010,
0.2789

 13.5445, 0.2922,
0.2492


 84.2812, 0.3022,
0.2831

 7.8046, 0.2876,
0.2356


109.5266, 0.3031,
0.2867

 3.9701, 0.2806,
0.2164

139.3684, 0.3039,
0.2898

 1.6569, 0.2688,
0.1879

174.1909, 0.3046,
0.2925

 0.3955, 0.2520,
0.1201

214.3784, 0.3052,

 0.0000, 0.0000,

0.2948

0.0000

260.3155, 0.3057,
0.2969

■ 32.2786, 0.2978,
0.2674

■ 32.2786, 0.2978,
0.2674

■ 26.1981, 0.2898,
0.2394

■ 39.3692, 0.3048,
0.2944

■ 21.0752, 0.2808,
0.2111

■ 47.5110, 0.3107,
0.3198

■ 16.8585, 0.2709,
0.1836

■ 56.7477, 0.3157,
0.3433

■ 13.4903, 0.2604,
0.1582

■ 67.1194, 0.3199,
0.3648

■ 10.9058, 0.2496,
0.1362

■ 78.6639, 0.3233,
0.3843

■ 9.0307, 0.2389,
0.1186

■ 89.8620, 0.3264,
0.3996

■ 7.7752, 0.2288,
0.1061

■ 91.0466, 0.3313,
0.3985

■ 7.1991, 0.2228,
0.1001

■ 92.2852, 0.3363,
0.3974

■ 93.5785, 0.3413,
0.3963

Harmonies

Analogous

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



32.2786, 0.2610, 0.2600



32.2786, 0.2978, 0.2674



32.2786, 0.3413, 0.2886

Triad

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



32.2786, 0.2978, 0.2674



32.2786, 0.3912, 0.3851



32.2786, 0.2499, 0.3340

Complementary

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



32.2786, 0.2978, 0.2674



46.1021, 0.3246, 0.3923

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.



32.2786, 0.2816, 0.3750



32.2786, 0.2978, 0.2674



32.2786, 0.3634, 0.4042

Square

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



32.2786, 0.2978, 0.2674



32.2786, 0.3974, 0.3538



32.2786, 0.3230, 0.4017



32.2786, 0.2349, 0.2949

Rectangle

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



32.2786, 0.2978, 0.2674



32.2786, 0.3678, 0.3083



32.2786, 0.3230, 0.4017



32.2786, 0.2588, 0.3482

Sweetspot

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



32.2800, 0.2978, 0.2674



80.0471, 0.3089, 0.3116



35.7160, 0.2750, 0.2910



17.0228, 0.3085, 0.3101



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.2800, 0.2978, 0.2674



51.4273, 0.2934, 0.2516



34.2854, 0.3190, 0.2752



9.5002, 0.3075, 0.3059



4.8885, 0.2240, 0.1008



0.2286, 0.2472, 0.1136

Inverse Universe

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



33.3824, 0.3422, 0.3047



53.8520, 0.3515, 0.2986



44.4616, 0.3069, 0.3895



9.5981, 0.3227, 0.3198



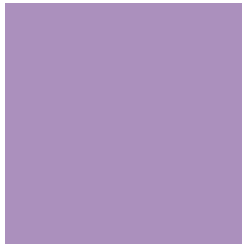
7.6427, 0.5345, 0.2718



0.3123, 0.4714, 0.2370

Previews

White Background



This preview shows how the Yxy color 32.2786, 0.2978, 0.2674 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 32.2786, 0.2978, 0.2674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

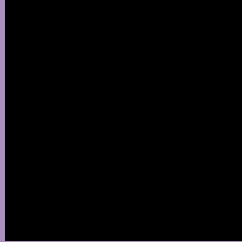
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2786, 0.2978, 0.2674

Background



This preview shows how black text looks on a background with the Yxy color 32.2786, 0.2978, 0.2674.



This preview shows how white text looks on a background with the Yxy color 32.2786, 0.2978, 0.2674.

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

32.2786, 0.2978, 0.2674

Protanopia

32.2362, 0.2683, 0.2669

Deuteranopia

32.4395, 0.2813, 0.2758



Tritanopia

32.2836, 0.3196, 0.3116

Trichromacy



Original Color

32.2786, 0.2978, 0.2674

Protanomaly

32.1175, 0.2781, 0.2665

Deuteranomaly

32.1816, 0.2875, 0.2724

Tritanomaly

32.1325, 0.3113, 0.2948

Monochromacy



Original Color

32.2786, 0.2978, 0.2674

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.0024, 0.3070, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2786, 0.2978, 0.2674 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(171, 144, 189)` looks like.

```
.text, #text, p{  
    color:rgb(171, 144, 189)  
}
```

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(171, 144, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 144, 189) }
```

Border

The CSS property to change the border of an element to Yxy 32.2786, 0.2978, 0.2674 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(171, 144, 189) }
```

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

```
.border{ border-color:rgb(171, 144, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 144, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 144, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 144, 189); box-shadow:4px 4px 4px 4px rgb(171, 144, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2786, 0.2978, 0.2674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 144, 189) }
```

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

```
.background{ background-color: rgb(171,  
144, 189) }
```

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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