

Converting Colors

$Y_{xy}(25.0593, 0.2889, 0.2185)$

Have a look what the booklet for
Yxy(25.0593, 0.2889, 0.2185)
contains.

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Color

Yxy(24.9966, 0.2889, 0.2181)

Conversions

Conversions Part 1

Format	Color
Hex	AB73C6
RGB	171, 115, 198
RGB Percent	67%, 45%, 78%
CMY	0.3296, 0.5489, 0.2235
CMYK	0.14, 0.42, 0.00, 0.22
HSL	280°, 42%, 61%
HSV	280°, 42%, 78%
XYZ	33.1110, 24.9966, 56.5031
YIQ	141.2060, 6.7330, 37.6850

Conversions

Conversions Part 2

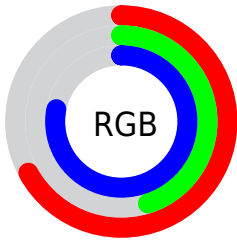
Format	Color
R_{YB}	171, 115, 198
Decimal	11236294
CIE _{Lab}	57.07, 36.85, -34.73
CIE _{LCh}	57, 50.638, 316.694
Yxy	24.9966, 0.2889, 0.2181
Android (android.graphics.Color)	4289426374 (0xFFAB73C6)
YUV	141.2060, 27.9994, 26.1293
Hunter-Lab	49.9966, 30.7204, -32.0083

Details

The Yxy color $24.9966, 0.2889, 0.2181$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $47.3812, 0.3269, 0.4496$, and the grayscale version is $26.6077, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.7192, 0.2952, 0.2384$, and $9.5761, 0.2779, 0.1866$ is the 20% darker color. If you saturate the color by 10%, you get $20.2488, 0.2811, 0.1915$, and if you desaturate by 10%, it is $30.7517, 0.2959, 0.2456$.

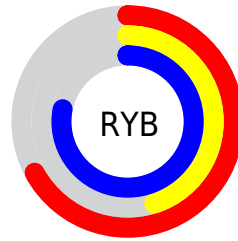
Distribution



Red (67%)

Green (45%)

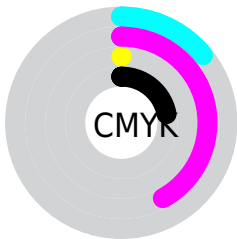
Blue (78%)



Red (67%)

Yellow (45%)

Blue (78%)

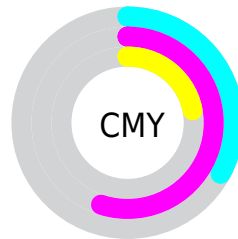


Cyan (14%)

Magenta (42%)

Yellow (0%)

Black (22%)



Cyan (33%)


Magenta (55%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9966, 0.2889, 0.2181 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 24.9966, 0.2889, 0.2181 by changing the saturation by 10% instead.


 24.9966, 0.2889,
0.2181


 24.9966, 0.2889,
0.2181


277.8210, 0.3034,
0.2738


 16.0745, 0.2845,
0.2044


 51.6517, 0.2948,
0.2383

 9.5769, 0.2783,
0.1870


 70.1535, 0.2968,
0.2459

 5.1193, 0.2692,
0.1645


 92.6174, 0.2984,
0.2523

 2.3175, 0.2549,
0.1346

119.4277, 0.2998,
0.2578

 0.7829, 0.2309,
0.0939

150.9688, 0.3009,
0.2626

 0.0000, 0.1879,
0.0000

187.6251, 0.3018,

 0.0000, 0.0000,

0.2668

0.0000

229.7811, 0.3027,
0.2705

■ 24.9966, 0.2889,
0.2181

■ 24.9966, 0.2889,
0.2181

■ 20.2488, 0.2811,
0.1915

■ 30.7517, 0.2959,
0.2456

■ 16.4419, 0.2727,
0.1670

■ 37.5684, 0.3021,
0.2730

■ 13.5065, 0.2639,
0.1457

■ 45.5011, 0.3075,
0.2994

■ 11.3618, 0.2550,
0.1287

■ 54.5992, 0.3119,
0.3244

■ 9.9115, 0.2464,
0.1164

■ 64.9094, 0.3157,
0.3477

■ 9.1025, 0.2398,
0.1094

■ 76.4754, 0.3187,
0.3690

■ 89.3391, 0.3212,
0.3885

■ 91.2176, 0.3252,
0.3890

■ 92.2595, 0.3294,
0.3882

Harmonies

Analogous

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



24.9966, 0.2185, 0.2008



24.9966, 0.2889, 0.2181



24.9966, 0.3779, 0.2571

Triad

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



24.9966, 0.2889, 0.2181



24.9966, 0.4597, 0.4337



24.9966, 0.1864, 0.3240

Complementary

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



24.9966, 0.2889, 0.2181



47.3812, 0.3269, 0.4496

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.



24.9966, 0.2393, 0.4194



24.9966, 0.2889, 0.2181



24.9966, 0.3969, 0.4812

Square

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



24.9966, 0.2889, 0.2181



24.9966, 0.4842, 0.3722



24.9966, 0.3164, 0.4835



24.9966, 0.1665, 0.2487

Rectangle

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



24.9966, 0.2889, 0.2181



24.9966, 0.4328, 0.2920



24.9966, 0.3164, 0.4835



24.9966, 0.2005, 0.3555

Sweetspot

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



24.9976, 0.2889, 0.2181



78.6514, 0.3068, 0.2961



27.2733, 0.2424, 0.2444



16.1359, 0.3057, 0.2902



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.



24.9976, 0.2889, 0.2181



36.7421, 0.2820, 0.1945



27.7403, 0.3323, 0.2420



10.6367, 0.3087, 0.3059



5.9677, 0.2408, 0.1100



0.3206, 0.2580, 0.1195

Inverse Universe

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



26.2274, 0.3837, 0.2934



39.4346, 0.4071, 0.2864



45.6141, 0.2982, 0.4356



10.6930, 0.3239, 0.3215



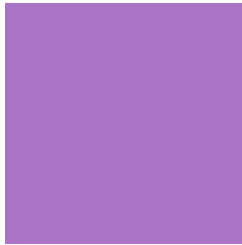
8.0664, 0.5645, 0.2884



0.3953, 0.5047, 0.2554

Previews

White Background



This preview shows how the Yxy color 24.9966, 0.2889, 0.2181 looks on a white background.

Color Contrast Check

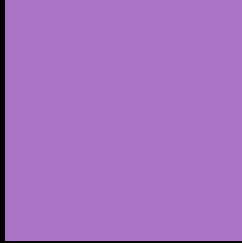
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9966, 0.2889, 0.2181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

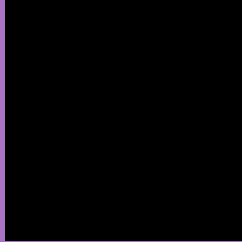
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9966, 0.2889, 0.2181

Background



This preview shows how black text looks on a background with the Yxy color 24.9966, 0.2889, 0.2181.



This preview shows how white text looks on a background with the Yxy color 24.9966, 0.2889, 0.2181.

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

24.9966, 0.2889, 0.2181

Protanopia

25.3711, 0.2259, 0.2124

Deuteranopia

25.2853, 0.2448, 0.2392



Tritanopia

24.9547, 0.3418, 0.3135

Trichromacy



Original Color

24.9966, 0.2889, 0.2181

Protanomaly

24.8177, 0.2449, 0.2135

Deuteranomaly

24.6968, 0.2594, 0.2297

Tritanomaly

24.7033, 0.3211, 0.2740

Monochromacy



Original Color

24.9966, 0.2889, 0.2181

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.7866, 0.3039, 0.2827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9966, 0.2889, 0.2181 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, 115, 198)` looks like.

```
.text, #text, p{  
    color:rgb(171, 115, 198)  
}
```

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, 115, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 115, 198) }
```

Border

The CSS property to change the border of an element to Yxy 24.9966, 0.2889, 0.2181 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, 115, 198) }
```

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

```
.border{ border-color:rgb(171, 115, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 115, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 115, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 115, 198); box-shadow:4px 4px 4px 4px rgb(171, 115, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9966, 0.2889, 0.2181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 115, 198) }
```

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

```
.background{ background-color: rgb(171,  
115, 198) }
```

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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