

Converting Colors

$Y_{xy}(25.8046, 0.2686, 0.1934)$

Have a look what the booklet for
Yxy(25.8046, 0.2686, 0.1934)
contains.

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Color

Yxy(25.6886, 0.2690, 0.1933)

Conversions

Conversions Part 1

Format	Color
Hex	AB71DD
RGB	171, 113, 221
RGB Percent	67%, 44%, 87%
CMY	0.3294, 0.5568, 0.1335
CMYK	0.23, 0.49, 0.00, 0.13
HSL	272°, 61%, 65%
HSV	272°, 49%, 87%
XYZ	35.7488, 25.6886, 71.4576
YIQ	142.6540, -0.1000, 45.8840

Conversions

Conversions Part 2

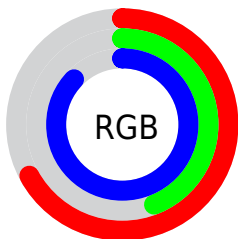
Format	Color
R _Y B	171, 113, 221
Decimal	11235805
CIE Lab	57.74, 43.07, -46.67
CIE LCh	58, 63.506, 312.708
Yxy	25.6886, 0.2690, 0.1933
Android (android.graphics.Color)	4289425885 (0xFFAB71DD)
YUV	142.6540, 38.6246, 24.8594
Hunter-Lab	50.6839, 37.2040, -48.1123

Details

The Yxy color **25.6886, 0.2690, 0.1933** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **60.6706, 0.3389, 0.4681**, and the grayscale version is **27.1679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9864, 0.2951, 0.2363**, and **9.9846, 0.2525, 0.1599** is the 20% darker color. If you saturate the color by 10%, you get **20.2404, 0.2570, 0.1655**, and if you desaturate by 10%, it is **32.4278, 0.2802, 0.2225**.

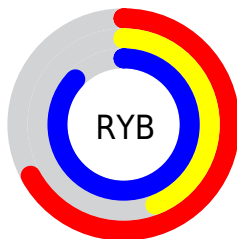
Distribution



Red (67%)

Green (44%)

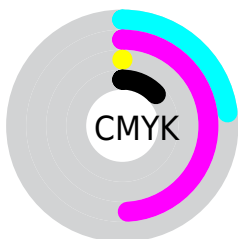
Blue (87%)



Red (67%)

Yellow (44%)

Blue (87%)

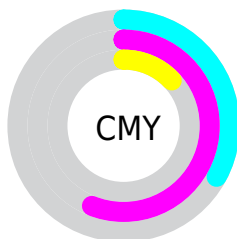


Cyan (23%)

Magenta (49%)

Yellow (0%)

Black (13%)



Cyan (33%)


Magenta (56%)


Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.6886, 0.2690, 0.1933 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 25.6886, 0.2690, 0.1933 by changing the saturation by 10% instead.


 25.6886, 0.2690,
0.1933

 25.6886, 0.2690,
0.1933


281.2501, 0.2943,
0.2592


 16.5908, 0.2618,
0.1780


 52.7722, 0.2789,
0.2165

 9.9432, 0.2522,
0.1591


 71.5267, 0.2824,
0.2255

 5.3613, 0.2387,
0.1355


 94.2690, 0.2853,
0.2331

 2.4608, 0.2192,
0.1059

 121.3834, 0.2877,
0.2398

 0.8569, 0.1894,
0.0694

153.2543, 0.2897,
0.2455

 0.0000, 0.1465,
0.0000

190.2661, 0.2914,

 0.0000, 0.0000,

0.2506

0.0000

232.8033, 0.2929,
0.2552

■ 25.6886, 0.2690,
0.1933

■ 25.6886, 0.2690,
0.1933

■ 20.2404, 0.2570,
0.1655

■ 32.4278, 0.2802,
0.2225

■ 15.9895, 0.2446,
0.1405

■ 40.5365, 0.2903,
0.2517

■ 12.8340, 0.2323,
0.1196


■ 50.0907, 0.2992,
0.2801

■ 10.6526, 0.2206,
0.1039


■ 61.1593, 0.3069,
0.3069


■ 9.2586, 0.2099,
0.0934

■ 73.8072, 0.3134,
0.3317

 9.1210, 0.2087,
0.0923

 88.0952, 0.3189,
0.3544

 95.7195, 0.3247,
0.3630

 97.5855, 0.3313,
0.3623

 97.9987, 0.3328,
0.3622

Harmonies

Analogous

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



25.6886, 0.1909, 0.1766



25.6886, 0.2690, 0.1933



25.6886, 0.3772, 0.2351

Triad

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



25.6886, 0.2690, 0.1933



25.6886, 0.4944, 0.4375



25.6886, 0.1662, 0.3350

Complementary

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



25.6886, 0.2690, 0.1933



60.6706, 0.3389, 0.4681

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.



25.6886, 0.2315, 0.4596



25.6886, 0.2690, 0.1933



25.6886, 0.4200, 0.5057

Square

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



25.6886, 0.2690, 0.1933



25.6886, 0.5216, 0.3639



25.6886, 0.3249, 0.5291



25.6886, 0.1404, 0.2379

Rectangle

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



25.6886, 0.2690, 0.1933



25.6886, 0.4490, 0.2737



25.6886, 0.3249, 0.5291



25.6886, 0.1836, 0.3766

Sweetspot

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



25.6896, 0.2690, 0.1933



74.7733, 0.3022, 0.2903



35.0623, 0.2334, 0.2478



15.3307, 0.3005, 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.



25.6896, 0.2690, 0.1933



27.5938, 0.2563, 0.1638



32.2077, 0.3218, 0.2146



12.9599, 0.3065, 0.3054



5.3684, 0.2102, 0.0932



0.3989, 0.2273, 0.1026

Inverse Universe

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



29.8217, 0.3837, 0.2704



34.3342, 0.4079, 0.2598



56.4819, 0.3037, 0.4785



13.1513, 0.3220, 0.3182



9.5126, 0.5107, 0.2587



0.6336, 0.4718, 0.2373

Previews

White Background



This preview shows how the Yxy color 25.6886, 0.2690, 0.1933 looks on a white background.

Color Contrast Check

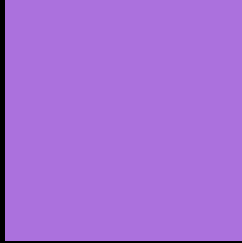
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6886, 0.2690, 0.1933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

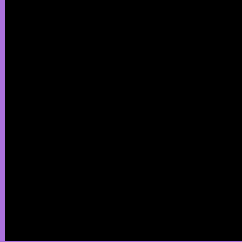
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6886, 0.2690, 0.1933

Background



This preview shows how black text looks on a background with the Yxy color 25.6886, 0.2690, 0.1933.



This preview shows how white text looks on a background with the Yxy color 25.6886, 0.2690, 0.1933.

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

25.6886, 0.2690, 0.1933

Protanopia

25.9629, 0.2036, 0.1823

Deuteranopia

26.0758, 0.2205, 0.2147



Tritanopia

25.7246, 0.3318, 0.3134

Trichromacy



Original Color

25.6886, 0.2690, 0.1933



Protanomaly

25.1123, 0.2213, 0.1841



Deuteranomaly

25.3872, 0.2343, 0.2044



Tritanomaly

25.3940, 0.3070, 0.2617

Monochromacy



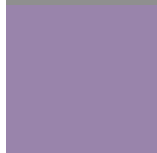
Original Color

25.6886, 0.2690, 0.1933



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

26.2151, 0.2962, 0.2702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6886, 0.2690, 0.1933 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, 113, 221)` looks like.

```
.text, #text, p{  
    color:rgb(171, 113, 221)  
}
```

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, 113, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 113, 221) }
```

Border

The CSS property to change the border of an element to Yxy 25.6886, 0.2690, 0.1933 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, 113, 221) }
```

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

```
.border{ border-color:rgb(171, 113, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 113, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 113, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 113, 221);  
box-shadow:4px 4px 4px 4px rgb(171, 113,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6886, 0.2690, 0.1933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 113, 221) }
```

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

```
.background{ background-color: rgb(171,  
113, 221) }
```

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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