

Converting Colors

$Y_{xy}(26.2633, 0.3080, 0.2551)$

Have a look what the booklet for
Yxy(26.2633, 0.3080, 0.2551)
contains.

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Color

Yxy(26.3876, 0.3085, 0.2556)

Conversions

Conversions Part 1

Format	Color
Hex	AA7DB1
RGB	170, 125, 177
RGB Percent	67%, 49%, 69%
CMY	0.3333, 0.5098, 0.3059
CMYK	0.04, 0.29, 0.00, 0.31
HSL	292°, 25%, 59%
HSV	292°, 29%, 69%
XYZ	31.8489, 26.3876, 45.0014
YIQ	144.3830, 10.1280, 25.7120

Conversions

Conversions Part 2

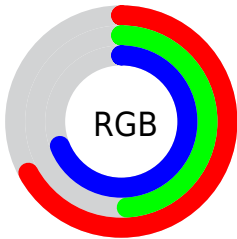
Format	Color
R _Y B	170, 125, 177
Decimal	11173297
CIE Lab	58.40, 26.58, -20.70
CIE LCh	58, 33.690, 322.099
Yxy	26.3876, 0.3085, 0.2556
Android (android.graphics.Color)	4289363377 (0xFFAA7DB1)
YUV	144.3830, 16.0802, 22.4661
Hunter-Lab	51.3689, 20.7751, -15.9825

Details

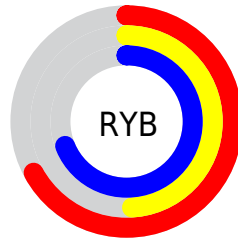
The Yxy color $26.3876, 0.3085, 0.2556$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $37.8214, 0.3147, 0.4114$, and the grayscale version is $27.9841, 0.3127, 0.3290$.

A 20% lighter version of the original color is $53.8927, 0.3098, 0.2693$, and $10.2693, 0.3059, 0.2329$ is the 20% darker color. If you saturate the color by 10%, you get $22.0381, 0.3064, 0.2304$, and if you desaturate by 10%, it is $31.5426, 0.3103, 0.2811$.

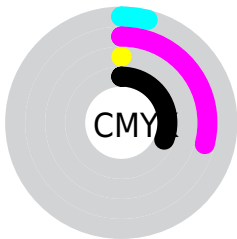
Distribution



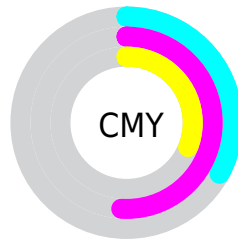
- Red (67%)
- Green (49%)
- Blue (69%)



- Red (67%)
- Yellow (49%)
- Blue (69%)



- Cyan (4%)
- Magenta (29%)
- Yellow (0%)
- Black (31%)





- Cyan (33%)
- Magenta (51%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.3876, 0.3085, 0.2556 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 26.3876, 0.3085, 0.2556 by changing the saturation by 10% instead.


 26.3876, 0.3085,
0.2556


 26.3876, 0.3085,
0.2556


284.6796, 0.3116,
0.2935


 17.1138, 0.3074,
0.2458


 53.8996, 0.3099,
0.2697

 10.3157, 0.3056,
0.2330


 72.9066, 0.3103,
0.2749

 5.6088, 0.3029,
0.2157


 95.9268, 0.3107,
0.2792

 2.6087, 0.2980,
0.1912

123.3446, 0.3109,
0.2829

 0.9310, 0.2882,
0.1542

155.5444, 0.3112,
0.2861

 0.0000, 0.2724,
0.0000

192.9105, 0.3113,

 0.0000, 0.0000,

0.2889

0.0000

235.8275, 0.3115,
0.2914

■ 26.3876, 0.3085,
0.2556

■ 26.3876, 0.3085,
0.2556

■ 22.0381, 0.3064,
0.2304

■ 31.5426, 0.3103,
0.2811

■ 18.4482, 0.3038,
0.2066

■ 37.5389, 0.3117,
0.3063

■ 15.5727, 0.3010,
0.1850

■ 44.4144, 0.3128,
0.3305

■ 13.3602, 0.2978,
0.1667

■ 52.2035, 0.3136,
0.3533

■ 11.7523, 0.2945,
0.1524

■ 60.9390, 0.3141,
0.3745

■ 10.6806, 0.2911,
0.1424

■ 70.6519, 0.3145,
0.3941

■ 10.0116, 0.2876,
0.1361

■ 81.3718, 0.3147,
0.4119

■ 9.9730, 0.2874,
0.1357

■ 85.5109, 0.3157,
0.4174

■ 85.8166, 0.3172,
0.4170

Harmonies

Analogous

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



26.3876, 0.2566, 0.2404



26.3876, 0.3085, 0.2556



26.3876, 0.3665, 0.2865

Triad

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



26.3876, 0.3085, 0.2556



26.3876, 0.4078, 0.4110



26.3876, 0.2224, 0.3181

Complementary

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



26.3876, 0.3085, 0.2556



37.8214, 0.3147, 0.4114

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.



26.3876, 0.2571, 0.3761



26.3876, 0.3085, 0.2556



26.3876, 0.3640, 0.4322

Square

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



26.3876, 0.3085, 0.2556



26.3876, 0.4264, 0.3719



26.3876, 0.3086, 0.4210



26.3876, 0.2106, 0.2707

Rectangle

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



26.3876, 0.3085, 0.2556



26.3876, 0.3991, 0.3132



26.3876, 0.3086, 0.4210



26.3876, 0.2316, 0.3372

Sweetspot

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



26.3887, 0.3085, 0.2556



67.4976, 0.3117, 0.3068



24.2527, 0.2634, 0.2581



14.2745, 0.3115, 0.3033



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



26.3887, 0.3085, 0.2556



42.2552, 0.3072, 0.2398



26.5079, 0.3360, 0.2809



8.5879, 0.3117, 0.3064



7.2463, 0.2878, 0.1359



0.2439, 0.2976, 0.1413

Inverse Universe

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



25.6769, 0.3679, 0.3189



40.8265, 0.3847, 0.3167



37.7871, 0.2952, 0.3826



8.5232, 0.3267, 0.3260



6.8246, 0.6201, 0.3190



0.2206, 0.5607, 0.2863

Previews

White Background



This preview shows how the Yxy color 26.3876, 0.3085, 0.2556 looks on a white background.

Color Contrast Check

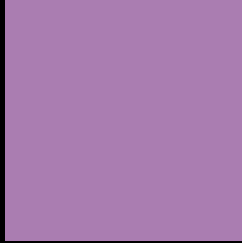
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.3876, 0.3085, 0.2556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

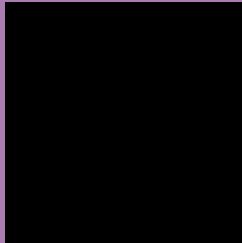
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.3876, 0.3085, 0.2556

Background



This preview shows how black text looks on a background with the Yxy color 26.3876, 0.3085, 0.2556.



This preview shows how white text looks on a background with the Yxy color 26.3876, 0.3085, 0.2556.

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

26.3876, 0.3085, 0.2556

Protanopia

26.5651, 0.2586, 0.2548

Deuteranopia

26.5905, 0.2770, 0.2714



Tritanopia

26.4549, 0.3399, 0.3138

Trichromacy



Original Color

26.3876, 0.3085, 0.2556

Protanomaly

26.3087, 0.2755, 0.2552

Deuteranomaly

26.2992, 0.2874, 0.2642

Tritanomaly

26.2826, 0.3282, 0.2904

Monochromacy



Original Color

26.3876, 0.3085, 0.2556

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.0639, 0.3109, 0.2996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3876, 0.3085, 0.2556 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(170, 125, 177)` looks like.

```
.text, #text, p{  
    color:rgb(170, 125, 177)  
}
```

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(170, 125, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 125, 177) }
```

Border

The CSS property to change the border of an element to Yxy 26.3876, 0.3085, 0.2556 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(170, 125, 177) }
```

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

```
.border{ border-color:rgb(170, 125, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 125, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 125, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 125, 177); box-shadow:4px 4px 4px 4px rgb(170, 125, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 26.3876, 0.3085, 0.2556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 125, 177) }
```

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

```
.background{ background-color: rgb(170,  
125, 177) }
```

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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