

Converting Colors

$Y_{xy}(27.1988, 0.2826, 0.2287)$

Have a look what the booklet for
Yxy(27.1988, 0.2826, 0.2287)
contains.

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Color

Yxy(27.1988, 0.2826, 0.2287)

Conversions

Conversions Part 1

Format	Color
Hex	A67EC8
RGB	166, 126, 200
RGB Percent	65%, 49%, 78%
CMY	0.3491, 0.5058, 0.2157
CMYK	0.17, 0.37, 0.00, 0.22
HSL	272°, 40%, 64%
HSV	272°, 37%, 78%
XYZ	33.6090, 27.1988, 58.1200
YIQ	146.3960, 0.0860, 31.4940

Conversions

Conversions Part 2

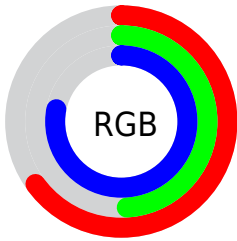
Format	Color
RYB	166, 126, 200
Decimal	10911432
CIELab	59.16, 29.61, -32.66
CIElCh	59, 44.083, 312.204
Yxy	27.1988, 0.2826, 0.2287
Android (android.graphics.Color)	4289101512 (0xFFA67EC8)
YUV	146.3960, 26.4268, 17.1927
Hunter-Lab	52.1525, 23.7653, -29.5676

Details

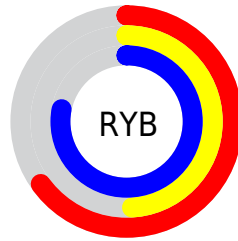
The Yxy color **27.1988, 0.2826, 0.2287** is a light color, and the websafe version is hex **996699**. A complement of this color would be **50.2901, 0.3338, 0.4313**, and the grayscale version is **28.8052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9898, 0.2908, 0.2487**, and **10.7549, 0.2709, 0.1998** is the 20% darker color. If you saturate the color by 10%, you get **21.6275, 0.2718, 0.1996**, and if you desaturate by 10%, it is **33.8658, 0.2923, 0.2576**.

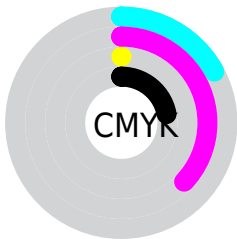
Distribution



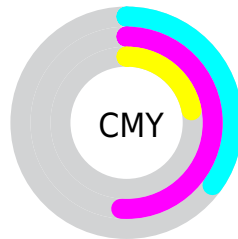
- Red (65%)
- Green (49%)
- Blue (78%)



- Red (65%)
- Yellow (49%)
- Blue (78%)



- Cyan (17%)
- Magenta (37%)
- Yellow (0%)
- Black (22%)





- Cyan (35%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1988, 0.2826, 0.2287 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 27.1988, 0.2826, 0.2287 by changing the saturation by 10% instead.


 27.1988, 0.2826,
0.2287


 27.1988, 0.2826,
0.2287


288.6184, 0.2998,
0.2792


 17.7226, 0.2776,
0.2162


 55.2027, 0.2894,
0.2470

 10.7510, 0.2708,
0.2003


 74.4992, 0.2918,
0.2539

 5.8997, 0.2611,
0.1796


 97.8379, 0.2937,
0.2597

 2.7842, 0.2464,
0.1517

125.6032, 0.2954,
0.2647

 1.0201, 0.2222,
0.1133

158.1795, 0.2968,
0.2691

 0.0000, 0.1866,
0.0000

195.9512, 0.2979,

 0.0000, 0.0000,

0.2729

0.0000

239.3027, 0.2990,
0.2762

■ 27.1988, 0.2826,
0.2287

■ 27.1988, 0.2826,
0.2287

■ 21.6275, 0.2718,
0.1996

■ 33.8658, 0.2923,
0.2576

■ 17.0858, 0.2601,
0.1716

■ 41.6828, 0.3009,
0.2855

■ 13.5054, 0.2479,
0.1461


■ 50.7044, 0.3082,
0.3118


■ 10.8083, 0.2356,
0.1243


■ 60.9806, 0.3145,
0.3361


■ 8.9034, 0.2239,
0.1075

■ 72.5586, 0.3197,
0.3582


 7.6683, 0.2130,
0.0960

 85.4832, 0.3241,
0.3782

 7.3616, 0.2099,
0.0930

 92.5701, 0.3291,
0.3860

 94.1346, 0.3351,
0.3849

 95.7807, 0.3412,
0.3838

Harmonies

Analogous

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



27.1988, 0.2244, 0.2169



27.1988, 0.2826, 0.2287



27.1988, 0.3572, 0.2608

Triad

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



27.1988, 0.2826, 0.2287



27.1988, 0.4456, 0.4148



27.1988, 0.2092, 0.3378

Complementary

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



27.1988, 0.2826, 0.2287



50.2901, 0.3338, 0.4313

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.



27.1988, 0.2601, 0.4149



27.1988, 0.2826, 0.2287



27.1988, 0.3968, 0.4557

Square

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



27.1988, 0.2826, 0.2287



27.1988, 0.4581, 0.3613



27.1988, 0.3287, 0.4611



27.1988, 0.1863, 0.2695

Rectangle

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



27.1988, 0.2826, 0.2287



27.1988, 0.4050, 0.2907



27.1988, 0.3287, 0.4611



27.1988, 0.2233, 0.3643

Sweetspot

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



27.1999, 0.2826, 0.2287



81.0266, 0.3053, 0.3011



33.9351, 0.2533, 0.2712



16.8824, 0.3043, 0.2975



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.



27.1999, 0.2826, 0.2287



39.5604, 0.2744, 0.2065



31.2592, 0.3194, 0.2411



10.5650, 0.3066, 0.3057



4.7347, 0.2113, 0.0938



0.2669, 0.2333, 0.1059

Inverse Universe

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



29.7425, 0.3604, 0.2849



44.7571, 0.3748, 0.2758



47.3149, 0.3059, 0.4362



10.7167, 0.3219, 0.3184



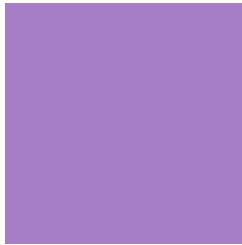
8.3160, 0.5109, 0.2588



0.4083, 0.4612, 0.2314

Previews

White Background



This preview shows how the Yxy color 27.1988, 0.2826, 0.2287 looks on a white background.

Color Contrast Check

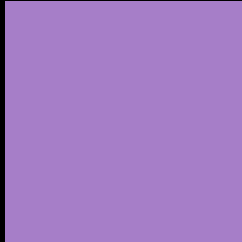
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1988, 0.2826, 0.2287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

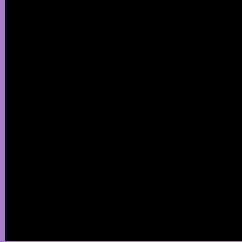
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1988, 0.2826, 0.2287

Background



This preview shows how black text looks on a background with the Yxy color 27.1988, 0.2826, 0.2287.



This preview shows how white text looks on a background with the Yxy color 27.1988, 0.2826, 0.2287.

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

27.1988, 0.2826, 0.2287

Protanopia

27.3813, 0.2365, 0.2253

Deuteranopia

27.4409, 0.2502, 0.2447



Tritanopia

27.1975, 0.3234, 0.3120

Trichromacy



Original Color

27.1988, 0.2826, 0.2287

Protanomaly

27.0672, 0.2510, 0.2259

Deuteranomaly

27.2610, 0.2611, 0.2387

Tritanomaly

27.0387, 0.3075, 0.2785

Monochromacy



Original Color

27.1988, 0.2826, 0.2287

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.9907, 0.3010, 0.2880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1988, 0.2826, 0.2287 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(166, 126, 200)` looks like.

```
.text, #text, p{  
    color:rgb(166, 126, 200)  
}
```

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(166, 126, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 126, 200) }
```

Border

The CSS property to change the border of an element to Yxy 27.1988, 0.2826, 0.2287 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(166, 126, 200) }
```

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

```
.border{ border-color:rgb(166, 126, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 126, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 126, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 126, 200);  
box-shadow:4px 4px 4px 4px rgb(166, 126,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1988, 0.2826, 0.2287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 126, 200) }
```

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

```
.background{ background-color: rgb(166,  
126, 200) }
```

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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