

Converting Colors

$Y_{xy}(27.2949, 0.2726, 0.2096)$

Have a look what the booklet for
Yxy(27.2949, 0.2726, 0.2096)
contains.

Yxy(27.2604, 0.2727, 0.2089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.2604, 0.2727, 0.2089)

Conversions

Conversions Part 1

Format	Color
Hex	A97AD7
RGB	169, 122, 215
RGB Percent	66%, 48%, 84%
CMY	0.3372, 0.5216, 0.1570
CMYK	0.21, 0.43, 0.00, 0.16
HSL	270°, 54%, 66%
HSV	270°, 43%, 84%
XYZ	35.5860, 27.2604, 67.6486
YIQ	146.6550, -1.8410, 38.8870

Conversions

Conversions Part 2

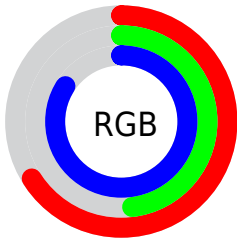
Format	Color
RYB	169, 122, 215
Decimal	11107031
CIELab	59.21, 36.17, -40.98
CIELCh	59, 54.659, 311.434
Yxy	27.2604, 0.2727, 0.2089
Android (android.graphics.Color)	4289297111 (0xFFA97AD7)
YUV	146.6550, 33.6941, 19.5966
Hunter-Lab	52.2115, 30.2908, -40.2719

Details

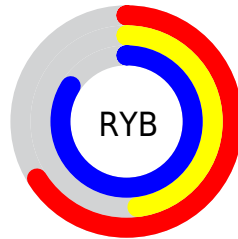
The Yxy color **27.2604, 0.2727, 0.2089** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **58.3044, 0.3391, 0.4499**, and the grayscale version is **28.8882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0487, 0.2937, 0.2452**, and **10.8176, 0.2576, 0.1771** is the 20% darker color. If you saturate the color by 10%, you get **21.4257, 0.2604, 0.1797**, and if you desaturate by 10%, it is **34.3602, 0.2840, 0.2386**.

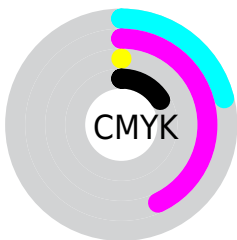
Distribution



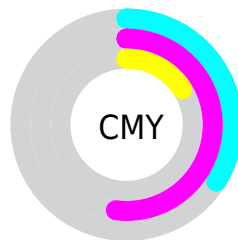
- Red (66%)
- Green (48%)
- Blue (84%)



- Red (66%)
- Yellow (48%)
- Blue (84%)



- Cyan (21%)
- Magenta (43%)
- Yellow (0%)
- Black (16%)





- Cyan (34%)
- Magenta (52%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2604, 0.2727, 0.2089 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 27.2604, 0.2727, 0.2089 by changing the saturation by 10% instead.


 27.2604, 0.2727,
0.2089


 27.2604, 0.2727,
0.2089


288.9157, 0.2955,
0.2679


 17.7689, 0.2663,
0.1948


 55.3014, 0.2816,
0.2299

 10.7842, 0.2576,
0.1773


 74.6198, 0.2847,
0.2380

 5.9219, 0.2456,
0.1550


 97.9825, 0.2873,
0.2448

 2.7977, 0.2278,
0.1262

125.7740, 0.2895,
0.2507

 1.0270, 0.2003,
0.0890

158.3787, 0.2913,
0.2559

 0.0000, 0.1623,
0.0000

196.1809, 0.2929,

 0.0000, 0.0000,

0.2604

0.0000

239.5651, 0.2943,
0.2644

■ 27.2604, 0.2727,
0.2089

■ 27.2604, 0.2727,
0.2089

■ 21.4257, 0.2604,
0.1797

■ 34.3602, 0.2840,
0.2386

■ 16.7726, 0.2474,
0.1524

■ 42.7946, 0.2941,
0.2677

■ 13.2127, 0.2342,
0.1285


■ 52.6321, 0.3029,
0.2954


■ 10.6428, 0.2215,
0.1093

■ 63.9351, 0.3105,
0.3211


■ 8.9388, 0.2098,
0.0956


■ 76.7625, 0.3169,
0.3447

 8.1379, 0.2025,
0.0889

 91.1697, 0.3223,
0.3660

 95.5475, 0.3288,
0.3691

 97.4968, 0.3357,
0.3682

 97.6842, 0.3364,
0.3681

Harmonies

Analogous

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



27.2604, 0.2048, 0.1953



27.2604, 0.2727, 0.2089



27.2604, 0.3642, 0.2456

Triad

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



27.2604, 0.2727, 0.2089



27.2604, 0.4736, 0.4260



27.2604, 0.1882, 0.3404

Complementary

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



27.2604, 0.2727, 0.2089



58.3044, 0.3391, 0.4499

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.



27.2604, 0.2483, 0.4405



27.2604, 0.2727, 0.2089



27.2604, 0.4130, 0.4811

Square

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



27.2604, 0.2727, 0.2089



27.2604, 0.4910, 0.3615



27.2604, 0.3308, 0.4963



27.2604, 0.1620, 0.2557

Rectangle

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



27.2604, 0.2727, 0.2089



27.2604, 0.4247, 0.2800



27.2604, 0.3308, 0.4963



27.2604, 0.2046, 0.3745

Sweetspot

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



27.2615, 0.2727, 0.2089



77.6670, 0.3030, 0.2957



37.2257, 0.2434, 0.2636



15.8926, 0.3012, 0.2897



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.



27.2615, 0.2727, 0.2089



32.1161, 0.2613, 0.1818



33.2653, 0.3177, 0.2237



12.3142, 0.3060, 0.3055



4.9326, 0.2040, 0.0898



0.3467, 0.2228, 0.1001

Inverse Universe

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



31.1862, 0.3686, 0.2735



38.9055, 0.3866, 0.2624



54.1235, 0.3064, 0.4629



12.5221, 0.3214, 0.3175



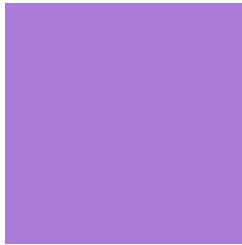
9.2881, 0.4972, 0.2512



0.5769, 0.4586, 0.2300

Previews

White Background



This preview shows how the Yxy color 27.2604, 0.2727, 0.2089 looks on a white background.

Color Contrast Check

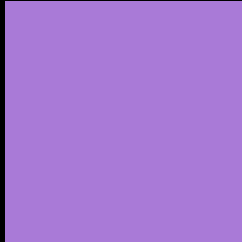
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2604, 0.2727, 0.2089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

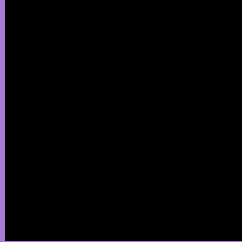
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2604, 0.2727, 0.2089

Background



This preview shows how black text looks on a background with the Yxy color 27.2604, 0.2727, 0.2089.

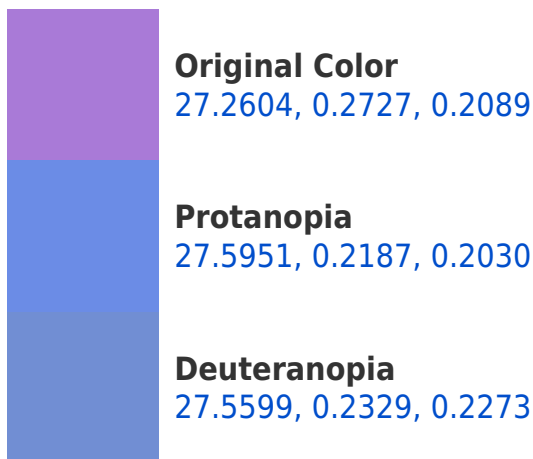


This preview shows how white text looks on a background with the Yxy color 27.2604, 0.2727, 0.2089.

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





Tritanopia

27.2985, 0.3245, 0.3121

Trichromacy



Original Color

27.2604, 0.2727, 0.2089



Protanomaly

26.9571, 0.2346, 0.2028



Deuteranomaly

27.0680, 0.2453, 0.2197



Tritanomaly

27.1625, 0.3047, 0.2705

Monochromacy



Original Color

27.2604, 0.2727, 0.2089



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

28.1241, 0.2974, 0.2783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2604, 0.2727, 0.2089 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(169, 122, 215)` looks like.

```
.text, #text, p{  
    color:rgb(169, 122, 215)  
}
```

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(169, 122, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 122, 215) }
```

Border

The CSS property to change the border of an element to Yxy 27.2604, 0.2727, 0.2089 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(169, 122, 215) }
```

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

```
.border{ border-color:rgb(169, 122, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 122, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 122, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 122, 215);  
box-shadow:4px 4px 4px 4px rgb(169, 122,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2604, 0.2727, 0.2089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 122, 215) }
```

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

```
.background{ background-color: rgb(169,  
122, 215) }
```

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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