

Converting Colors

$Y_{xy}(27.2727, 0.2613, 0.1964)$

Have a look what the booklet for
Yxy(27.2727, 0.2613, 0.1964)
contains.

Yxy(27.2727, 0.2613, 0.1964)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.2727, 0.2613, 0.1964)

Conversions

Conversions Part 1

Format	Color
Hex	A679E2
RGB	166, 121, 226
RGB Percent	65%, 47%, 89%
CMY	0.3492, 0.5254, 0.1137
CMYK	0.27, 0.46, 0.00, 0.11
HSL	266°, 64%, 68%
HSV	266°, 46%, 89%
XYZ	36.2849, 27.2727, 75.3054
YIQ	146.4250, -6.8850, 42.1950

Conversions

Conversions Part 2

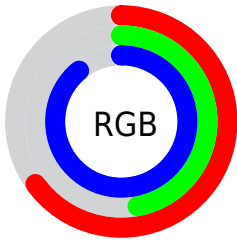
Format	Color
RYB	166, 121, 226
Decimal	10910178
CIELab	59.23, 38.47, -47.17
CIELCh	59, 60.865, 309.197
Yxy	27.2727, 0.2613, 0.1964
Android (android.graphics.Color)	4289100258 (0xFFA679E2)
YUV	146.4250, 39.2305, 17.1673
Hunter-Lab	52.2233, 32.6317, -48.9393

Details

The Yxy color **27.2727, 0.2613, 0.1964** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **65.6067, 0.3466, 0.4573**, and the grayscale version is **28.7661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1801, 0.2914, 0.2436**, and **10.7883, 0.2430, 0.1632** is the 20% darker color. If you saturate the color by 10%, you get **21.0813, 0.2468, 0.1663**, and if you desaturate by 10%, it is **34.8932, 0.2749, 0.2272**.

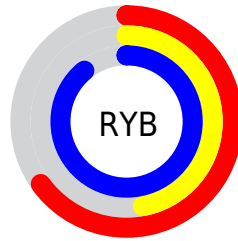
Distribution



Red (65%)

Green (47%)

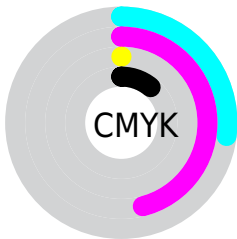
Blue (89%)



Red (65%)

Yellow (47%)

Blue (89%)

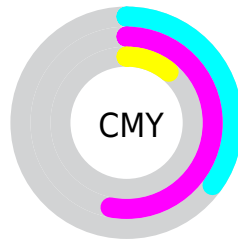


Cyan (27%)

Magenta (46%)

Yellow (0%)

Black (11%)



Cyan (35%)


Magenta (53%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2727, 0.2613, 0.1964 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 27.2727, 0.2613, 0.1964 by changing the saturation by 10% instead.


 27.2727, 0.2613,
0.1964


 27.2727, 0.2613,
0.1964


288.9751, 0.2900,
0.2606


 17.7781, 0.2534,
0.1815


 55.3212, 0.2723,
0.2190

 10.7908, 0.2430,
0.1631


 74.6438, 0.2763,
0.2277

 5.9264, 0.2287,
0.1402


 98.0113, 0.2796,
0.2352

 2.8003, 0.2084,
0.1114

125.8081, 0.2824,
0.2416

 1.0284, 0.1784,
0.0756

158.4184, 0.2847,
0.2473

 0.0000, 0.1373,
0.0000

196.2268, 0.2867,

 0.0000, 0.0000,

0.2523

0.0000

239.6175, 0.2885,
0.2567

■ 27.2727, 0.2613,
0.1964

■ 27.2727, 0.2613,
0.1964

■ 21.0813, 0.2468,
0.1663

■ 34.8932, 0.2749,
0.2272

■ 16.2204, 0.2319,
0.1386

■ 44.0260, 0.2871,
0.2575

■ 12.5838, 0.2173,
0.1149

■ 54.7513, 0.2980,
0.2863

■ 10.0464, 0.2037,
0.0966

■ 67.1429, 0.3074,
0.3130

■ 8.4515, 0.1917,
0.0843

■ 81.2697, 0.3154,
0.3374

■ 8.0190, 0.1879,
0.0809

■ 96.1575, 0.3224,
0.3578

■ 98.2712, 0.3298,
0.3572

Harmonies

Analogous

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



27.2727, 0.1906, 0.1835



27.2727, 0.2613, 0.1964



27.2727, 0.3613, 0.2340

Triad

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



27.2727, 0.2613, 0.1964



27.2727, 0.4917, 0.4262



27.2727, 0.1793, 0.3488

Complementary

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



27.2727, 0.2613, 0.1964



65.6067, 0.3466, 0.4573

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.



27.2727, 0.2463, 0.4623



27.2727, 0.2613, 0.1964



27.2727, 0.4261, 0.4912

Square

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



27.2727, 0.2613, 0.1964



27.2727, 0.5088, 0.3562



27.2727, 0.3370, 0.5178



27.2727, 0.1495, 0.2521

Rectangle

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



27.2727, 0.2613, 0.1964



27.2727, 0.4300, 0.2701



27.2727, 0.3370, 0.5178



27.2727, 0.1977, 0.3881

Sweetspot

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



27.2738, 0.2613, 0.1964



75.6310, 0.3003, 0.2928



43.1202, 0.2403, 0.2699



15.4693, 0.2982, 0.2868



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.



27.2738, 0.2613, 0.1964



27.7748, 0.2469, 0.1666



33.9615, 0.3095, 0.2134



13.5287, 0.3047, 0.3052



4.6416, 0.1895, 0.0818



0.3738, 0.2068, 0.0913

Inverse Universe

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



33.1875, 0.3653, 0.2604



36.7816, 0.3820, 0.2475



60.5032, 0.3111, 0.4727



13.8313, 0.3203, 0.3157



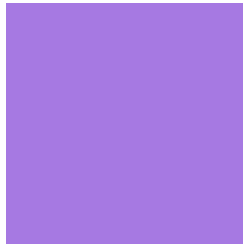
10.1565, 0.4650, 0.2335



0.7218, 0.4367, 0.2180

Previews

White Background



This preview shows how the Yxy color 27.2727, 0.2613, 0.1964 looks on a white background.

Color Contrast Check

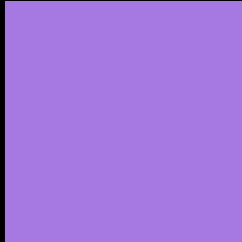
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2727, 0.2613, 0.1964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

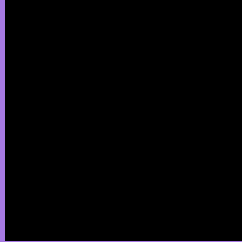
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2727, 0.2613, 0.1964

Background



This preview shows how black text looks on a background with the Yxy color 27.2727, 0.2613, 0.1964.

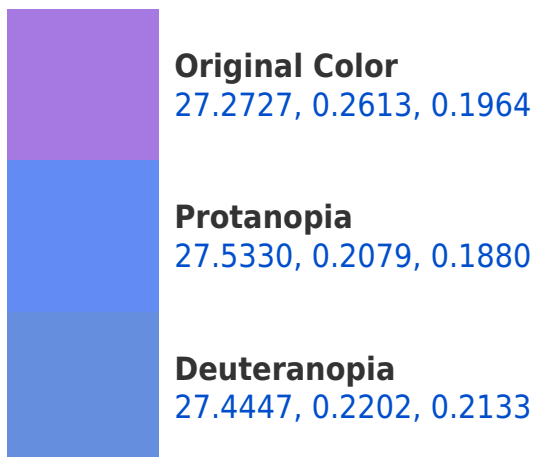


This preview shows how white text looks on a background with the Yxy color 27.2727, 0.2613, 0.1964.

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

27.3426, 0.3157, 0.3118

Trichromacy



Original Color

27.2727, 0.2613, 0.1964



Protanomaly

26.8279, 0.2230, 0.1887



Deuteranomaly

26.7379, 0.2323, 0.2050



Tritanomaly

26.8850, 0.2937, 0.2615

Monochromacy



Original Color

27.2727, 0.2613, 0.1964



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.7588, 0.2926, 0.2724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2727, 0.2613, 0.1964 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, 121, 226)` looks like.

```
.text, #text, p{  
    color:rgb(166, 121, 226)  
}
```

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, 121, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 121, 226) }
```

Border

The CSS property to change the border of an element to Yxy 27.2727, 0.2613, 0.1964 is called "border". The border property can be set on classes, ids or directly on the HTML element.

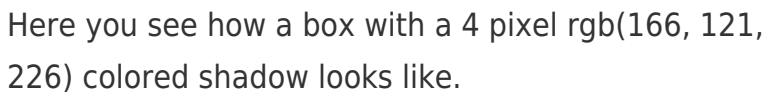
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 121, 226) }
```

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

```
.border{ border-color:rgb(166, 121, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 121, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 121, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 121, 226); box-shadow:4px 4px 4px 4px rgb(166, 121, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2727, 0.2613, 0.1964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 121, 226) }
```

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

```
.background{ background-color: rgb(166,  
121, 226) }
```

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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