

Converting Colors

$Y_{xy}(29.7136, 0.2477, 0.1899)$

Have a look what the booklet for
Yxy(29.7136, 0.2477, 0.1899)
contains.

Yxy(29.7927, 0.2481, 0.1906)	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(29.7927, 0.2481, 0.1906)

Conversions

Conversions Part 1

Format	Color
Hex	A281F2
RGB	162, 129, 242
RGB Percent	64%, 51%, 95%
CMY	0.3647, 0.4941, 0.0508
CMYK	0.33, 0.47, 0.00, 0.05
HSL	258°, 81%, 73%
HSV	258°, 47%, 95%
XYZ	38.7805, 29.7927, 87.7368
YIQ	151.7490, -16.6050, 42.1390

Conversions

Conversions Part 2

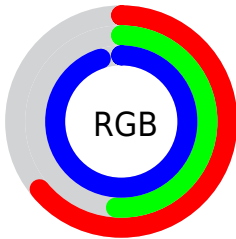
Format	Color
R _Y B	162, 129, 242
Decimal	10650098
CIE Lab	61.47, 36.90, -52.53
CIE LCh	61, 64.200, 305.087
Yxy	29.7927, 0.2481, 0.1906
Android (android.graphics.Color)	4288840178 (0xFFA281F2)
YUV	151.7490, 44.4937, 8.9901
Hunter-Lab	54.5827, 31.3030, -57.0955

Details

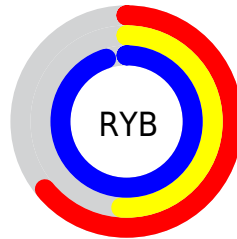
The Yxy color **29.7927, 0.2481, 0.1906** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **78.6694, 0.3578, 0.4537**, and the grayscale version is **31.0963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8915, 0.2894, 0.2515**, and **12.1589, 0.2273, 0.1580** is the 20% darker color. If you saturate the color by 10%, you get **22.4811, 0.2306, 0.1585**, and if you desaturate by 10%, it is **38.8609, 0.2648, 0.2233**.

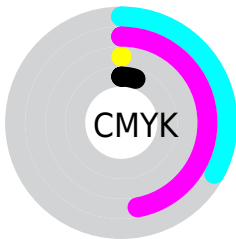
Distribution



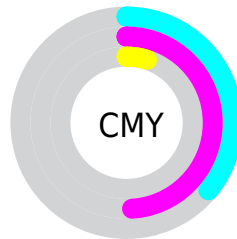
- Red (64%)
- Green (51%)
- Blue (95%)



- Red (64%)
- Yellow (51%)
- Blue (95%)



- Cyan (33%)
- Magenta (47%)
- Yellow (0%)
- Black (5%)



- Cyan (36%)
- Magenta (49%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7927, 0.2481, 0.1906 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 29.7927, 0.2481, 0.1906 by changing the saturation by 10% instead.


 29.7927, 0.2481,
0.1906


 29.7927, 0.2481,
0.1906

300.9370, 0.2829,
0.2563


 19.6813, 0.2390,
0.1757


 59.3342, 0.2611,
0.2134

 12.1636, 0.2273,
0.1577


 79.5331, 0.2659,
0.2223

 6.8552, 0.2117,
0.1355


 103.8632, 0.2699,
0.2300

 3.3717, 0.1905,
0.1081

132.7090, 0.2733,
0.2366

 1.3287, 0.1606,
0.0749

166.4549, 0.2762,
0.2425

 0.1633, 0.1204,
0.0183

205.4853, 0.2788,

 0.0000, 0.0010,

0.2476

0.0000

250.1845, 0.2810,
0.2522

0.0000, 0.0000,
0.0000

29.7927, 0.2481,
0.1906

29.7927, 0.2481,
0.1906

22.4811, 0.2306,
0.1585

38.8609, 0.2648,
0.2233

16.8047, 0.2132,
0.1289

49.7894, 0.2800,
0.2550

12.6315, 0.1968,
0.1037

62.6775, 0.2937,
0.2849

9.8064, 0.1824,
0.0847

77.6165, 0.3056,
0.3122

8.1353, 0.1710,
0.0727

94.6919, 0.3159,
0.3368

■ 7.7395, 0.1678,
0.0698

■ 99.1928, 0.3202,
0.3415

Harmonies

Analogous

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



29.7927, 0.1811, 0.1811



29.7927, 0.2481, 0.1906



29.7927, 0.3473, 0.2256

Triad

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



29.7927, 0.2481, 0.1906



29.7927, 0.5011, 0.4174



29.7927, 0.1836, 0.3654

Complementary

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



29.7927, 0.2481, 0.1906



78.6694, 0.3578, 0.4537

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.



29.7927, 0.2563, 0.4791



29.7927, 0.2481, 0.1906



29.7927, 0.4389, 0.4862

Square

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



29.7927, 0.2481, 0.1906



29.7927, 0.5105, 0.3465



29.7927, 0.3498, 0.5230



29.7927, 0.1484, 0.2609

Rectangle

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



29.7927, 0.2481, 0.1906



29.7927, 0.4191, 0.2606



29.7927, 0.3498, 0.5230



29.7927, 0.2040, 0.4062

Sweetspot

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



29.7938, 0.2481, 0.1906



74.8168, 0.2970, 0.2924



57.1763, 0.2433, 0.2890



15.2722, 0.2943, 0.2863



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.



29.7938, 0.2481, 0.1906



25.7116, 0.2316, 0.1602



36.9477, 0.2958, 0.2076



15.4523, 0.3025, 0.3049



4.2172, 0.1692, 0.0706



0.4000, 0.1830, 0.0782

Inverse Universe

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



39.1882, 0.3497, 0.2447



37.7124, 0.3601, 0.2298



71.9291, 0.3201, 0.4703



15.9482, 0.3183, 0.3124



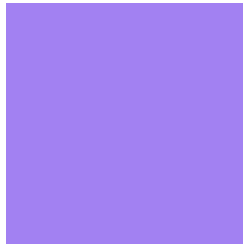
11.7527, 0.4115, 0.2041



0.9950, 0.3967, 0.1959

Previews

White Background



This preview shows how the Yxy color 29.7927, 0.2481, 0.1906 looks on a white background.

Color Contrast Check

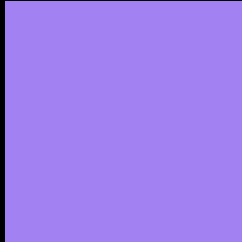
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7927, 0.2481, 0.1906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

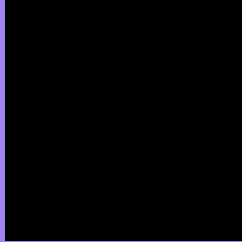
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7927, 0.2481, 0.1906

Background



This preview shows how black text looks on a background with the Yxy color 29.7927, 0.2481, 0.1906.



This preview shows how white text looks on a background with the Yxy color 29.7927, 0.2481, 0.1906.

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

29.7927, 0.2481, 0.1906

Protanopia

30.1801, 0.2060, 0.1860

Deuteranopia

30.2093, 0.2125, 0.2063



Tritanopia

29.7376, 0.2985, 0.3103

Trichromacy



Original Color

29.7927, 0.2481, 0.1906



Protanomaly

29.5783, 0.2186, 0.1865



Deuteranomaly

29.6429, 0.2233, 0.1997



Tritanomaly

29.3468, 0.2779, 0.2582

Monochromacy



Original Color

29.7927, 0.2481, 0.1906



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

30.5172, 0.2870, 0.2700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7927, 0.2481, 0.1906 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(162, 129, 242)` looks like.

```
.text, #text, p{  
    color:rgb(162, 129, 242)  
}
```

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(162, 129, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 129, 242) }
```

Border

The CSS property to change the border of an element to Yxy 29.7927, 0.2481, 0.1906 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(162, 129, 242) }
```

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

```
.border{ border-color:rgb(162, 129, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 129, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 129, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 129, 242); box-shadow:4px 4px 4px 4px rgb(162, 129, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7927, 0.2481, 0.1906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 129, 242) }
```

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

```
.background{ background-color: rgb(162,  
129, 242) }
```

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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