

Converting Colors

$Yxy(27.9307, 0.2449, 0.2060)$

Have a look what the booklet for
Yxy(27.9307, 0.2449, 0.2060)
contains.

Yxy(27.9965, 0.2451, 0.2069)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.9965, 0.2451, 0.2069)

Conversions

Conversions Part 1

Format	Color
Hex	8F85E0
RGB	143, 133, 224
RGB Percent	56%, 52%, 88%
CMY	0.4392, 0.4784, 0.1217
CMYK	0.36, 0.41, 0.00, 0.12
HSL	247°, 59%, 70%
HSV	247°, 41%, 88%
XYZ	33.1655, 27.9965, 74.1522
YIQ	146.3640, -23.2510, 30.4210

Conversions

Conversions Part 2

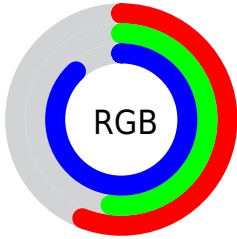
Format	Color
R_{YB}	143, 133, 224
Decimal	9405920
CIE _{Lab}	59.89, 24.92, -45.12
CIE _{LCh}	60, 51.546, 298.905
Yxy	27.9965, 0.2451, 0.2069
Android (android.graphics.Color)	4287596000 (0xFF8F85E0)
YUV	146.3640, 38.2745, -2.9502
Hunter-Lab	52.9117, 19.2898, -46.0527

Details

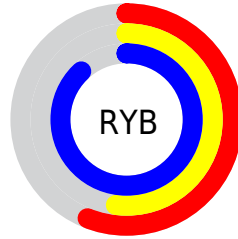
The Yxy color **27.9965, 0.2451, 0.2069** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.2794, 0.3655, 0.4320**, and the grayscale version is **28.7494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4799, 0.2743, 0.2526**, and **11.0884, 0.2227, 0.1740** is the 20% darker color. If you saturate the color by 10%, you get **20.8804, 0.2249, 0.1722**, and if you desaturate by 10%, it is **36.7383, 0.2644, 0.2409**.

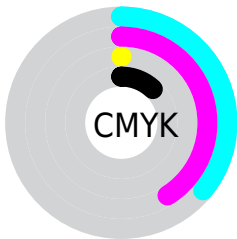
Distribution



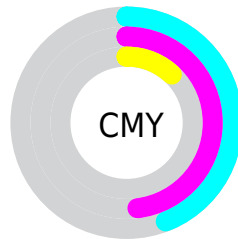
- Red (56%)
- Green (52%)
- Blue (88%)



- Red (56%)
- Yellow (52%)
- Blue (88%)



- Cyan (36%)
- Magenta (41%)
- Yellow (0%)
- Black (12%)




- Cyan (44%)
- Magenta (48%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9965, 0.2451, 0.2069 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 27.9965, 0.2451, 0.2069 by changing the saturation by 10% instead.


 27.9965, 0.2451,
0.2069


 27.9965, 0.2451,
0.2069


292.4502, 0.2814,
0.2672


 18.3230, 0.2355,
0.1926


 56.4789, 0.2587,
0.2284

 11.1821, 0.2231,
0.1747


 76.0565, 0.2637,
0.2366

 6.1895, 0.2064,
0.1521


 99.7044, 0.2679,
0.2436

 2.9606, 0.1832,
0.1232

127.8068, 0.2714,
0.2496

 1.1112, 0.1500,
0.0862

160.7482, 0.2745,
0.2548

 0.0000, 0.1030,
0.0000

198.9130, 0.2771,

 0.0000, 0.0000,

0.2595

0.0000

242.6855, 0.2794,
0.2635

■ 27.9965, 0.2451,
0.2069

■ 27.9965, 0.2451,
0.2069

■ 20.8804, 0.2249,
0.1722

■ 36.7383, 0.2644,
0.2409

■ 15.2862, 0.2049,
0.1388

■ 47.1945, 0.2822,
0.2727

■ 11.1031, 0.1865,
0.1092

■ 59.4513, 0.2980,
0.3017

■ 8.2038, 0.1711,
0.0856

■ 73.5881, 0.3119,
0.3275

■ 6.4378, 0.1599,
0.0699

■ 89.6794, 0.3240,
0.3502

■ 5.5816, 0.1533,
0.0618

■ 98.1600, 0.3310,
0.3592

Harmonies

Analogous

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



27.9965, 0.1926, 0.2045



27.9965, 0.2451, 0.2069



27.9965, 0.3241, 0.2332

Triad

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



27.9965, 0.2451, 0.2069



27.9965, 0.4772, 0.3970



27.9965, 0.2159, 0.3798

Complementary

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



27.9965, 0.2451, 0.2069



69.2794, 0.3655, 0.4320

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.



27.9965, 0.2841, 0.4618



27.9965, 0.2451, 0.2069



27.9965, 0.4356, 0.4542

Square

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



27.9965, 0.2451, 0.2069



27.9965, 0.4703, 0.3358



27.9965, 0.3646, 0.4865



27.9965, 0.1767, 0.2902

Rectangle

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



27.9965, 0.2451, 0.2069



27.9965, 0.3831, 0.2619



27.9965, 0.3646, 0.4865



27.9965, 0.2359, 0.4109

Sweetspot

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



27.9975, 0.2451, 0.2069



77.2014, 0.2958, 0.2976



58.9023, 0.2553, 0.3173



16.0411, 0.2938, 0.2939



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.



27.9975, 0.2451, 0.2069



29.1074, 0.2275, 0.1766



32.7965, 0.2834, 0.2188



13.3150, 0.2997, 0.3049



3.2743, 0.1540, 0.0622



0.2515, 0.1637, 0.0676

Inverse Universe

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



37.4737, 0.3267, 0.2389



43.6060, 0.3304, 0.2212



63.4653, 0.3316, 0.4446



13.9083, 0.3155, 0.3084



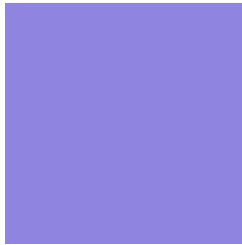
11.6459, 0.3506, 0.1705



0.8147, 0.3454, 0.1676

Previews

White Background



This preview shows how the Yxy color 27.9965, 0.2451, 0.2069 looks on a white background.

Color Contrast Check

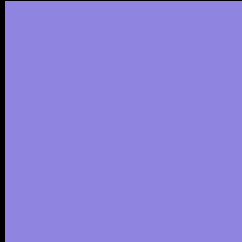
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9965, 0.2451, 0.2069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

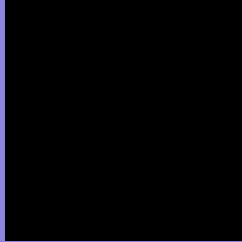
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9965, 0.2451, 0.2069

Background



This preview shows how black text looks on a background with the Yxy color 27.9965, 0.2451, 0.2069.



This preview shows how white text looks on a background with the Yxy color 27.9965, 0.2451, 0.2069.

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

27.9965, 0.2451, 0.2069

Protanopia

28.0705, 0.2196, 0.2038

Deuteranopia

28.2237, 0.2226, 0.2167



Tritanopia

27.9598, 0.2831, 0.3093

Trichromacy



Original Color

27.9965, 0.2451, 0.2069

Protanomaly

27.8433, 0.2278, 0.2048

Deuteranomaly

28.0058, 0.2297, 0.2123

Tritanomaly

27.7514, 0.2674, 0.2660

Monochromacy



Original Color

27.9965, 0.2451, 0.2069

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.1255, 0.2858, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9965, 0.2451, 0.2069 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(143, 133, 224)` looks like.

```
.text, #text, p{  
    color:rgb(143, 133, 224)  
}
```

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(143, 133, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 133, 224) }
```

Border

The CSS property to change the border of an element to Yxy 27.9965, 0.2451, 0.2069 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(143, 133, 224) }
```

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

```
.border{ border-color:rgb(143, 133, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 133, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 133, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 133, 224);  
box-shadow:4px 4px 4px 4px rgb(143, 133,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9965, 0.2451, 0.2069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 133, 224) }
```

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

```
.background{ background-color: rgb(143,  
133, 224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor