

Converting Colors

$Y_{xy}(27.2433, 0.2463, 0.2021)$

Have a look what the booklet for
Yxy(27.2433, 0.2463, 0.2021)
contains.

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Color

Yxy(27.1933, 0.2468, 0.2024)

Conversions

Conversions Part 1

Format	Color
Hex	9281E0
RGB	146, 129, 224
RGB Percent	57%, 51%, 88%
CMY	0.4274, 0.4941, 0.1217
CMYK	0.35, 0.42, 0.00, 0.12
HSL	251°, 60%, 69%
HSV	251°, 42%, 88%
XYZ	33.1586, 27.1933, 74.0023
YIQ	144.9130, -20.3630, 33.1490

Conversions

Conversions Part 2

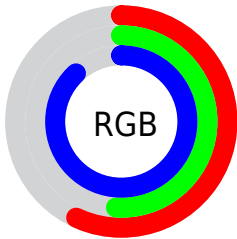
Format	Color
R_{YB}	146, 129, 224
Decimal	9601504
CIE _{Lab}	59.15, 28.05, -46.27
CIE _{LCh}	59, 54.107, 301.225
Yxy	27.1933, 0.2468, 0.2024
Android (android.graphics.Color)	4287791584 (0xFF9281E0)
YUV	144.9130, 38.9899, 0.9533
Hunter-Lab	52.1472, 22.2445, -47.6357

Details

The Yxy color **27.1933, 0.2468, 0.2024** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.1397, 0.3624, 0.4384**, and the grayscale version is **28.1250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2325, 0.2762, 0.2486**, and **10.7886, 0.2247, 0.1701** is the 20% darker color. If you saturate the color by 10%, you get **20.3747, 0.2276, 0.1686**, and if you desaturate by 10%, it is **35.5778, 0.2651, 0.2359**.

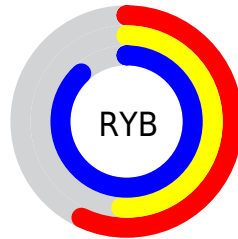
Distribution



Red (57%)

Green (51%)

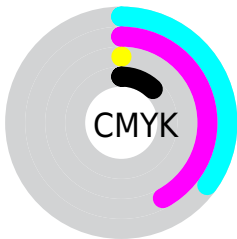
Blue (88%)



Red (57%)

Yellow (51%)

Blue (88%)

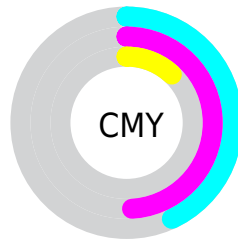


Cyan (35%)

Magenta (42%)

Yellow (0%)

Black (12%)



Cyan (43%)


Magenta (49%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1933, 0.2468, 0.2024 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 27.1933, 0.2468, 0.2024 by changing the saturation by 10% instead.


 27.1933, 0.2468,
0.2024


 27.1933, 0.2468,
0.2024


288.5918, 0.2825,
0.2647


 17.7185, 0.2373,
0.1876


 55.1939, 0.2603,
0.2245

 10.7480, 0.2249,
0.1693


 74.4884, 0.2652,
0.2330

 5.8977, 0.2082,
0.1463


 97.8250, 0.2693,
0.2403

 2.7830, 0.1850,
0.1169

125.5880, 0.2728,
0.2465

 1.0195, 0.1515,
0.0799

158.1617, 0.2757,
0.2519

 0.0000, 0.1034,
0.0000

195.9307, 0.2783,

 0.0000, 0.0000,

0.2567

0.0000

239.2793, 0.2805,
0.2609

■ 27.1933, 0.2468,
0.2024

■ 27.1933, 0.2468,
0.2024

■ 20.3747, 0.2276,
0.1686

■ 35.5778, 0.2651,
0.2359

■ 15.0208, 0.2085,
0.1363

■ 45.6149, 0.2818,
0.2677

■ 11.0228, 0.1907,
0.1080

■ 57.3885, 0.2968,
0.2969

■ 8.2554, 0.1754,
0.0857

■ 70.9759, 0.3098,
0.3231

■ 6.5691, 0.1637,
0.0709

■ 86.4496, 0.3211,
0.3464

■ 5.8344, 0.1574,
0.0641

■ 98.1603, 0.3310,
0.3592

Harmonies

Analogous

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



27.1933, 0.1898, 0.1976



27.1933, 0.2468, 0.2024



27.1933, 0.3316, 0.2316

Triad

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



27.1933, 0.2468, 0.2024



27.1933, 0.4841, 0.4039



27.1933, 0.2059, 0.3749

Complementary

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



27.1933, 0.2468, 0.2024



68.1397, 0.3624, 0.4384

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.



27.1933, 0.2754, 0.4659



27.1933, 0.2468, 0.2024



27.1933, 0.4362, 0.4639

Square

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



27.1933, 0.2468, 0.2024



27.1933, 0.4821, 0.3399



27.1933, 0.3597, 0.4966



27.1933, 0.1682, 0.2810

Rectangle

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



27.1933, 0.2468, 0.2024



27.1933, 0.3942, 0.2622



27.1933, 0.3597, 0.4966



27.1933, 0.2261, 0.4087

Sweetspot

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



27.1943, 0.2468, 0.2024



75.8429, 0.2958, 0.2949



55.2296, 0.2518, 0.3084



15.4454, 0.2926, 0.2887



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.



27.1943, 0.2468, 0.2024



28.1949, 0.2296, 0.1720



32.3287, 0.2876, 0.2156



13.3608, 0.3008, 0.3050



3.4324, 0.1584, 0.0646



0.2732, 0.1720, 0.0721

Inverse Universe

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



36.0461, 0.3340, 0.2416



41.7231, 0.3398, 0.2247



62.4233, 0.3276, 0.4520



13.8913, 0.3165, 0.3100



11.2505, 0.3720, 0.1823



0.7910, 0.3627, 0.1772

Previews

White Background



This preview shows how the Yxy color 27.1933, 0.2468, 0.2024 looks on a white background.

Color Contrast Check

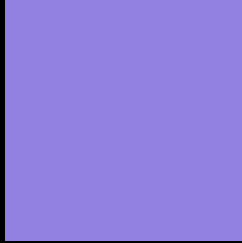
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1933, 0.2468, 0.2024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

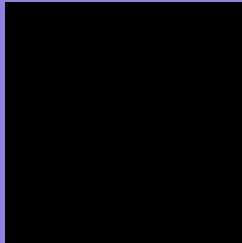
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1933, 0.2468, 0.2024

Background



This preview shows how black text looks on a background with the Yxy color 27.1933, 0.2468, 0.2024.



This preview shows how white text looks on a background with the Yxy color 27.1933, 0.2468, 0.2024.

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

27.1933, 0.2468, 0.2024

Protanopia

27.3517, 0.2158, 0.1983

Deuteranopia

27.3332, 0.2201, 0.2142



Tritanopia

27.1384, 0.2892, 0.3108

Trichromacy



Original Color

27.1933, 0.2468, 0.2024

Protanomaly

27.0342, 0.2254, 0.1985

Deuteranomaly

26.9472, 0.2281, 0.2086

Tritanomaly

26.9948, 0.2720, 0.2658

Monochromacy



Original Color

27.1933, 0.2468, 0.2024

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.5410, 0.2857, 0.2756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1933, 0.2468, 0.2024 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(146, 129, 224)` looks like.

```
.text, #text, p{  
    color:rgb(146, 129, 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(146, 129, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 129, 224) }
```

Border

The CSS property to change the border of an element to Yxy 27.1933, 0.2468, 0.2024 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(146, 129, 224) }
```

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

```
.border{ border-color:rgb(146, 129, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 129, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 129, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 129, 224);  
box-shadow:4px 4px 4px 4px rgb(146, 129,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1933, 0.2468, 0.2024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 129, 224) }
```

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

```
.background{ background-color: rgb(146,  
129, 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](#).

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