

Converting Colors

$Y_{xy}(27.1618, 0.2435, 0.1955)$

Have a look what the booklet for
Yxy(27.1618, 0.2435, 0.1955)
contains.

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Color

Yxy(27.2985, 0.2442, 0.1967)

Conversions

Conversions Part 1

Format	Color
Hex	9380E5
RGB	147, 128, 229
RGB Percent	58%, 50%, 90%
CMY	0.4235, 0.4980, 0.1021
CMYK	0.36, 0.44, 0.00, 0.10
HSL	251°, 66%, 70%
HSV	251°, 44%, 90%
XYZ	33.8907, 27.2985, 77.5932
YIQ	145.1950, -21.0970, 35.4390

Conversions

Conversions Part 2

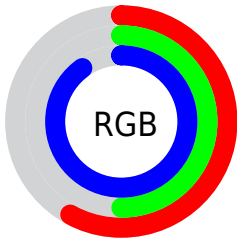
Format	Color
R_{YB}	147, 128, 229
Decimal	9666789
CIE _{Lab}	59.25, 30.20, -48.90
CIE _{LCh}	59, 57.477, 301.701
Yxy	27.2985, 0.2442, 0.1967
Android (android.graphics.Color)	4287856869 (0xFF9380E5)
YUV	145.1950, 41.3159, 1.5830
Hunter-Lab	52.2480, 24.3502, -51.4778

Details

The Yxy color **27.2985, 0.2442, 0.1967** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.2843, 0.3636, 0.4431**, and the grayscale version is **28.2347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1051, 0.2775, 0.2478**, and **10.8844, 0.2219, 0.1637** is the 20% darker color. If you saturate the color by 10%, you get **20.4025, 0.2251, 0.1630**, and if you desaturate by 10%, it is **35.8219, 0.2625, 0.2303**.

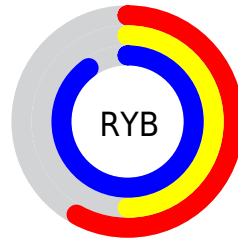
Distribution



Red (58%)

Green (50%)

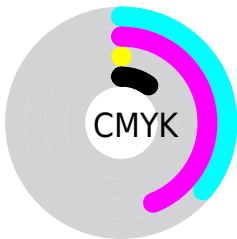
Blue (90%)



Red (58%)

Yellow (50%)

Blue (90%)

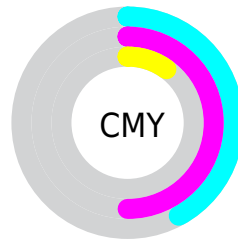


Cyan (36%)

Magenta (44%)

Yellow (0%)

Black (10%)



Cyan (42%)


Magenta (50%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2985, 0.2442, 0.1967 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 27.2985, 0.2442, 0.1967 by changing the saturation by 10% instead.


 27.2985, 0.2442,
0.1967


 27.2985, 0.2442,
0.1967


289.0995, 0.2813,
0.2612


 17.7975, 0.2344,
0.1816


 55.3625, 0.2581,
0.2195

 10.8047, 0.2217,
0.1630


 74.6943, 0.2632,
0.2283

 5.9357, 0.2047,
0.1398


 98.0719, 0.2675,
0.2358

 2.8060, 0.1812,
0.1107

125.8795, 0.2711,
0.2423

 1.0313, 0.1478,
0.0746

158.5018, 0.2742,
0.2479

 0.0000, 0.1022,
0.0000

196.3229, 0.2769,

 0.0000, 0.0000,

0.2529

0.0000

239.7273, 0.2792,
0.2573

■ 27.2985, 0.2442,
0.1967

■ 27.2985, 0.2442,
0.1967

■ 20.4025, 0.2251,
0.1630

■ 35.8219, 0.2625,
0.2303

■ 15.0258, 0.2062,
0.1314

■ 46.0654, 0.2794,
0.2624

■ 11.0518, 0.1887,
0.1040

■ 58.1182, 0.2946,
0.2921

■ 8.3450, 0.1739,
0.0829

■ 72.0623, 0.3078,
0.3189

■ 6.7424, 0.1628,
0.0694

■ 87.9748, 0.3193,
0.3427

■ 6.1705, 0.1580,
0.0644

■ 98.4358, 0.3280,
0.3542

Harmonies

Analogous

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



27.2985, 0.1844, 0.1910



27.2985, 0.2442, 0.1967



27.2985, 0.3339, 0.2274

Triad

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



27.2985, 0.2442, 0.1967



27.2985, 0.4926, 0.4069



27.2985, 0.1989, 0.3757

Complementary

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



27.2985, 0.2442, 0.1967



71.2843, 0.3636, 0.4431

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.



27.2985, 0.2710, 0.4743



27.2985, 0.2442, 0.1967



27.2985, 0.4405, 0.4708

Square

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



27.2985, 0.2442, 0.1967



27.2985, 0.4926, 0.3401



27.2985, 0.3594, 0.5070



27.2985, 0.1607, 0.2761

Rectangle

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



27.2985, 0.2442, 0.1967



27.2985, 0.4004, 0.2594



27.2985, 0.3594, 0.5070



27.2985, 0.2197, 0.4122

Sweetspot

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



27.2995, 0.2442, 0.1967



75.8905, 0.2960, 0.2950



56.5691, 0.2493, 0.3052



15.4570, 0.2928, 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.



27.2995, 0.2442, 0.1967



26.6604, 0.2266, 0.1656



32.9677, 0.2878, 0.2114



14.0169, 0.3009, 0.3049



3.5672, 0.1590, 0.0650



0.3009, 0.1721, 0.0721

Inverse Universe

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



36.7479, 0.3360, 0.2390



40.3469, 0.3423, 0.2222



65.0557, 0.3268, 0.4582



14.5663, 0.3166, 0.3101



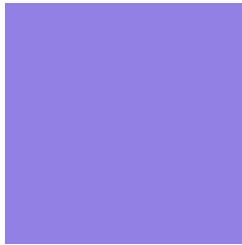
11.5666, 0.3749, 0.1839



0.8668, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 27.2985, 0.2442, 0.1967 looks on a white background.

Color Contrast Check

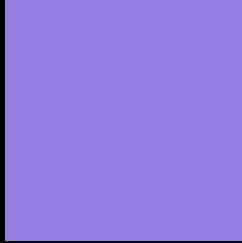
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2985, 0.2442, 0.1967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

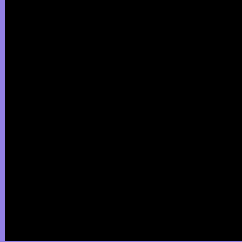
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2985, 0.2442, 0.1967

Background



This preview shows how black text looks on a background with the Yxy color 27.2985, 0.2442, 0.1967.



This preview shows how white text looks on a background with the Yxy color 27.2985, 0.2442, 0.1967.

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

27.2985, 0.2442, 0.1967

Protanopia

27.4639, 0.2110, 0.1920

Deuteranopia

27.6227, 0.2153, 0.2096



Tritanopia

27.1721, 0.2883, 0.3092

Trichromacy



Original Color

27.2985, 0.2442, 0.1967

Protanomaly

27.1777, 0.2216, 0.1934

Deuteranomaly

27.3678, 0.2245, 0.2046

Tritanomaly

26.9142, 0.2704, 0.2603

Monochromacy



Original Color

27.2985, 0.2442, 0.1967

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.7108, 0.2849, 0.2729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2985, 0.2442, 0.1967 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(147, 128, 229)` looks like.

```
.text, #text, p{  
    color:rgb(147, 128, 229)  
}
```

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(147, 128, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 128, 229) }
```

Border

The CSS property to change the border of an element to Yxy 27.2985, 0.2442, 0.1967 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(147, 128, 229) }
```

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

```
.border{ border-color:rgb(147, 128, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 128, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 128, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 128, 229);  
box-shadow:4px 4px 4px 4px rgb(147, 128,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2985, 0.2442, 0.1967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 128, 229) }
```

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

```
.background{ background-color: rgb(147,  
128, 229) }
```

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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