

Converting Colors

$Y_{xy}(29.9919, 0.2125, 0.1440)$

Have a look what the booklet for
Yxy(29.9919, 0.2125, 0.1440)
contains.

Yxy(27.1370, 0.2300, 0.1671)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.1370, 0.2300, 0.1671)

Conversions

Conversions Part 1

Format	Color
Hex	9678FF
RGB	150, 120, 255
RGB Percent	59%, 47%, 100%
CMY	0.4117, 0.5295, 0.0000
CMYK	0.41, 0.53, 0.00, 0.00
HSL	253°, 100%, 74%
HSV	253°, 53%, 100%
XYZ	37.3519, 27.1370, 97.9108
YIQ	144.3600, -25.4550, 48.3450

Conversions

Conversions Part 2

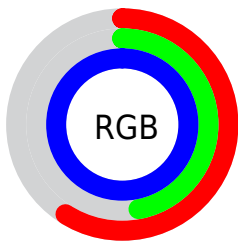
Format	Color
R_{YB}	150, 120, 255
Decimal	9861375
CIE _{Lab}	59.10, 42.53, -63.56
CIE _{LCh}	59, 76.473, 303.786
Yxy	27.1370, 0.2300, 0.1671
Android (android.graphics.Color)	4288051455 (0xFF9678FF)
YUV	144.3600, 54.5455, 4.9463
Hunter-Lab	52.0932, 36.8253, -74.9722

Details

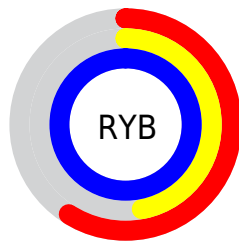
The Yxy color **27.1370, 0.2300, 0.1671** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **88.8768, 0.3689, 0.4671**, and the grayscale version is **27.8249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6624, 0.2807, 0.2399**, and **10.6357, 0.2042, 0.1309** is the 20% darker color. If you saturate the color by 10%, you get **20.0732, 0.2114, 0.1354**, and if you desaturate by 10%, it is **36.1483, 0.2486, 0.2006**.

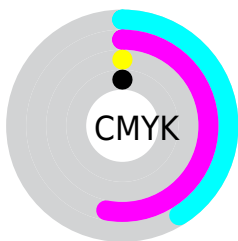
Distribution



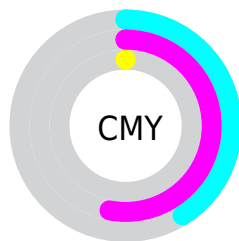
- Red (59%)
- Green (47%)
- Blue (100%)



- Red (59%)
- Yellow (47%)
- Blue (100%)



- Cyan (41%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1370, 0.2300, 0.1671 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 27.1370, 0.2300, 0.1671 by changing the saturation by 10% instead.


 27.1370, 0.2300,
0.1671


 27.1370, 0.2300,
0.1671


288.3198, 0.2743,
0.2425


 17.6761, 0.2187,
0.1507


 55.1036, 0.2464,
0.1928

 10.7177, 0.2044,
0.1312


 74.3782, 0.2525,
0.2029

 5.8774, 0.1859,
0.1080


 97.6928, 0.2576,
0.2118

 2.7706, 0.1614,
0.0808

125.4318, 0.2619,
0.2195

 1.0132, 0.1288,
0.0501

157.9796, 0.2657,
0.2263

 0.0000, 0.0883,
0.0000

195.7206, 0.2689,

 0.0000, 0.0000,

0.2323

0.0000

239.0392, 0.2718,
0.2376

■ 27.1370, 0.2300,
0.1671

■ 27.1370, 0.2300,
0.1671

■ 20.0732, 0.2114,
0.1354

■ 36.1483, 0.2486,
0.2006

■ 14.8131, 0.1938,
0.1077

■ 47.2452, 0.2663,
0.2340

■ 11.1842, 0.1786,
0.0861

■ 60.5472, 0.2824,
0.2658

■ 8.9810, 0.1667,
0.0718

■ 76.1662, 0.2968,
0.2952

■ 8.0821, 0.1604,
0.0657

■ 94.2062, 0.3094,
0.3217

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.1370, 0.1564, 0.1571



27.1370, 0.2300, 0.1671



27.1370, 0.3471, 0.2051

Triad

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



27.1370, 0.2300, 0.1671



27.1370, 0.5349, 0.4178



27.1370, 0.1604, 0.3780

Complementary

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



27.1370, 0.2300, 0.1671



88.8768, 0.3689, 0.4671

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.



27.1370, 0.2442, 0.5250



27.1370, 0.2300, 0.1671



27.1370, 0.4574, 0.5045

Square

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



27.1370, 0.2300, 0.1671



27.1370, 0.5503, 0.3382



27.1370, 0.3526, 0.5660



27.1370, 0.1219, 0.2472

Rectangle

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



27.1370, 0.2300, 0.1671



27.1370, 0.4364, 0.2438



27.1370, 0.3526, 0.5660



27.1370, 0.1836, 0.4313

Sweetspot

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



27.1353, 0.2300, 0.1671



71.1466, 0.2926, 0.2865



65.4668, 0.2375, 0.2938



14.5307, 0.2897, 0.2805



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.



27.1353, 0.2300, 0.1671



19.4375, 0.2094, 0.1323



35.3617, 0.2846, 0.1888



17.5726, 0.3013, 0.3047



4.2766, 0.1616, 0.0664



0.4622, 0.1720, 0.0721

Inverse Universe

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



40.1231, 0.3470, 0.2262



33.9778, 0.3566, 0.2096



80.1690, 0.3252, 0.4891



18.2271, 0.3172, 0.3107



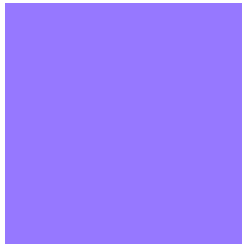
13.2691, 0.3868, 0.1905



1.3082, 0.3778, 0.1855

Previews

White Background



This preview shows how the Yxy color 27.1370, 0.2300, 0.1671 looks on a white background.

Color Contrast Check

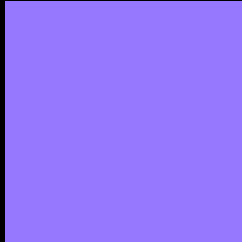
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1370, 0.2300, 0.1671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

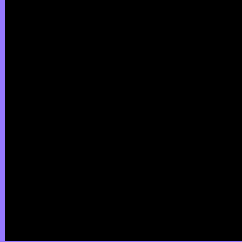
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1370, 0.2300, 0.1671

Background



This preview shows how black text looks on a background with the Yxy color 27.1370, 0.2300, 0.1671.



This preview shows how white text looks on a background with the Yxy color 27.1370, 0.2300, 0.1671.

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

27.1370, 0.2300, 0.1671

Protanopia

27.3283, 0.1974, 0.1747

Deuteranopia

27.5016, 0.1897, 0.1830



Tritanopia

27.0867, 0.2836, 0.3106

Trichromacy



Original Color

27.1370, 0.2300, 0.1671

Protanomaly

26.7038, 0.2065, 0.1698

Deuteranomaly

26.3347, 0.1978, 0.1733

Tritanomaly

26.5650, 0.2612, 0.2451

Monochromacy



Original Color

27.1370, 0.2300, 0.1671

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

26.8996, 0.2776, 0.2560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1370, 0.2300, 0.1671 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(150, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 120, 255)  
}
```

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(150, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 120, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.1370, 0.2300, 0.1671 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(150, 120, 255) }
```

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

```
.border{ border-color:rgb(150, 120, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 120, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 120, 255); box-shadow:4px 4px 4px 4px rgb(150, 120, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1370, 0.2300, 0.1671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 120, 255) }
```

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

```
.background{ background-color: rgb(150,  
120, 255) }
```

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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