

Converting Colors

$Y_{xy}(27.1520, 0.2427, 0.1646)$

Have a look what the booklet for
Yxy(27.1520, 0.2427, 0.1646)
contains.

Yxy(27.1332, 0.2426, 0.1646)	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(27.1332, 0.2426, 0.1646)

Conversions

Conversions Part 1

Format	Color
Hex	A870FF
RGB	168, 112, 255
RGB Percent	66%, 44%, 100%
CMY	0.3411, 0.5608, 0.0001
CMYK	0.34, 0.56, 0.00, 0.00
HSL	264°, 100%, 72%
HSV	264°, 56%, 100%
XYZ	39.9910, 27.1332, 97.7191
YIQ	145.0460, -12.5270, 56.3450

Conversions

Conversions Part 2

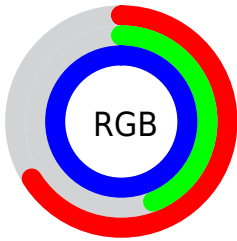
Format	Color
R_{YB}	168, 112, 255
Decimal	11038975
CIE _{Lab}	59.10, 50.97, -63.44
CIE _{LCh}	59, 81.378, 308.781
Yxy	27.1332, 0.2426, 0.1646
Android (android.graphics.Color)	4289229055 (0xFFA870FF)
YUV	145.0460, 54.2073, 20.1307
Hunter-Lab	52.0895, 45.8840, -74.7643

Details

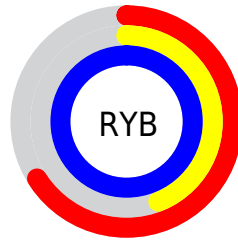
The Yxy color **27.1332, 0.2426, 0.1646** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **84.8151, 0.3546, 0.4834**, and the grayscale version is **28.1162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4612, 0.2943, 0.2351**, and **10.6837, 0.2196, 0.1290** is the 20% darker color. If you saturate the color by 10%, you get **20.6794, 0.2268, 0.1361**, and if you desaturate by 10%, it is **35.3846, 0.2580, 0.1954**.

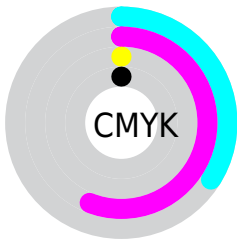
Distribution



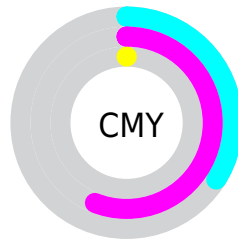
- Red (66%)
- Green (44%)
- Blue (100%)



- Red (66%)
- Yellow (44%)
- Blue (100%)



- Cyan (34%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1332, 0.2426, 0.1646 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 27.1332, 0.2426, 0.1646 by changing the saturation by 10% instead.


 27.1332, 0.2426,
0.1646

 27.1332, 0.2426,
0.1646


288.3015, 0.2811,
0.2403


 17.6733, 0.2326,
0.1483


 55.0975, 0.2570,
0.1903


 10.7157, 0.2196,
0.1290


 74.3707, 0.2624,
0.2005

 5.8760, 0.2027,
0.1060


 97.6838, 0.2668,
0.2093

 2.7698, 0.1798,
0.0792

 125.4212, 0.2706,
0.2171

 1.0128, 0.1487,
0.0491

157.9673, 0.2738,
0.2239

 0.0000, 0.1087,
0.0000

195.7064, 0.2766,


 0.0000, 0.0186,


0.2300

0.0000

239.0230, 0.2790,
0.2355


 0.0000, 0.0000,
0.0000


 27.1332, 0.2426,
0.1646


 27.1332, 0.2426,
0.1646

 20.6794, 0.2268,
0.1361


 35.3846, 0.2580,
0.1954


 15.8748, 0.2115,
0.1118


 45.5597, 0.2725,
0.2269


 12.5508, 0.1975,
0.0931

 57.7763, 0.2856,
0.2577

 10.4984, 0.1854,
0.0808

 72.1415, 0.2972,
0.2869

 9.9212, 0.1813,
0.0772

 88.7552, 0.3073,
0.3138

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



27.1332, 0.1588, 0.1492



27.1332, 0.2426, 0.1646



27.1332, 0.3723, 0.2083

Triad

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



27.1332, 0.2426, 0.1646



27.1332, 0.5339, 0.4326



27.1332, 0.1422, 0.3525

Complementary

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



27.1332, 0.2426, 0.1646



84.8151, 0.3546, 0.4834

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.



27.1332, 0.2212, 0.5185



27.1332, 0.2426, 0.1646



27.1332, 0.4438, 0.5251

Square

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



27.1332, 0.2426, 0.1646



27.1332, 0.5668, 0.3486



27.1332, 0.3319, 0.5838



27.1332, 0.1112, 0.2252

Rectangle

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



27.1332, 0.2426, 0.1646



27.1332, 0.4661, 0.2503



27.1332, 0.3319, 0.5838



27.1332, 0.1631, 0.4091

Sweetspot

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



27.1342, 0.2426, 0.1646



70.7295, 0.2962, 0.2843



52.0522, 0.2274, 0.2606



14.4921, 0.2940, 0.2785



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.



27.1342, 0.2426, 0.1646



20.1705, 0.2254, 0.1337



37.0371, 0.3038, 0.1901



17.7247, 0.3040, 0.3049



5.2651, 0.1829, 0.0781



0.5736, 0.1954, 0.0850

Inverse Universe

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



36.9678, 0.3761, 0.2425



31.2580, 0.3946, 0.2305



77.3192, 0.3122, 0.5062



18.1727, 0.3198, 0.3146



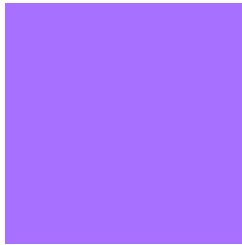
12.3775, 0.4510, 0.2258



1.2266, 0.4321, 0.2154

Previews

White Background



This preview shows how the Yxy color 27.1332, 0.2426, 0.1646 looks on a white background.

Color Contrast Check

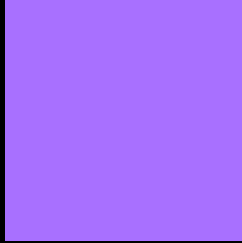
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1332, 0.2426, 0.1646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

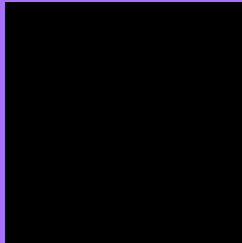
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1332, 0.2426, 0.1646

Background



This preview shows how black text looks on a background with the Yxy color 27.1332, 0.2426, 0.1646.

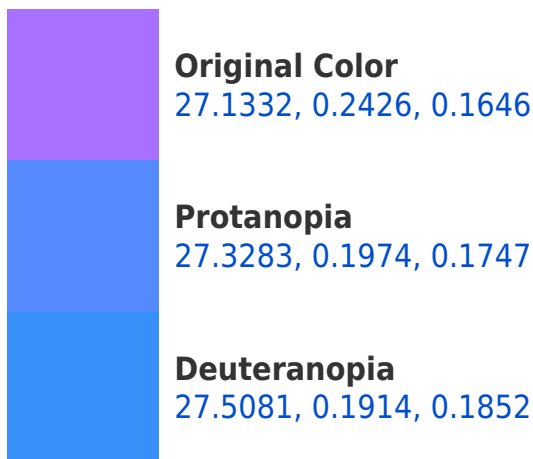


This preview shows how white text looks on a background with the Yxy color 27.1332, 0.2426, 0.1646.

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





Tritanopia

26.8703, 0.3103, 0.3115

Trichromacy



Original Color

27.1332, 0.2426, 0.1646



Protanomaly

26.5654, 0.2093, 0.1686



Deuteranomaly

25.9005, 0.2013, 0.1716



Tritanomaly

26.2999, 0.2824, 0.2440

Monochromacy



Original Color

27.1332, 0.2426, 0.1646



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

27.0501, 0.2834, 0.2531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1332, 0.2426, 0.1646 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(168, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 112, 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(168, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 112, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.1332, 0.2426, 0.1646 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(168, 112, 255) }
```

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

```
.border{ border-color:rgb(168, 112, 255) }
```

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

Here you see how a box with a 4 pixel rgb(168, 112, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 112,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1332, 0.2426, 0.1646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 112, 255) }
```

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

```
.background{ background-color: rgb(168,  
112, 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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