

Converting Colors

$Y_{xy}(28.6156, 0.2376, 0.1722)$

Have a look what the booklet for
Yxy(28.6156, 0.2376, 0.1722)
contains.

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Color

Yxy(28.6127, 0.2378, 0.1722)

Conversions

Conversions Part 1

Format	Color
Hex	A07AFF
RGB	160, 122, 255
RGB Percent	63%, 48%, 100%
CMY	0.3723, 0.5216, 0.0001
CMYK	0.37, 0.52, 0.00, 0.00
HSL	257°, 100%, 74%
HSV	257°, 52%, 100%
XYZ	39.5128, 28.6127, 98.0342
YIQ	148.5240, -20.0450, 49.4190

Conversions

Conversions Part 2

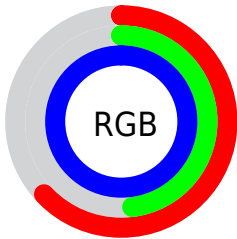
Format	Color
RYB	160, 122, 255
Decimal	10517247
CIELab	60.44, 43.69, -61.33
CIElCh	60, 75.304, 305.464
Yxy	28.6127, 0.2378, 0.1722
Android (android.graphics.Color)	4288707327 (0xFFA07AFF)
YUV	148.5240, 52.4927, 10.0645
Hunter-Lab	53.4908, 38.2460, -71.2189

Details

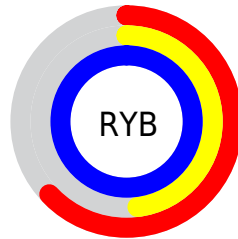
The Yxy color **28.6127, 0.2378, 0.1722** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **87.6526, 0.3624, 0.4681**, and the grayscale version is **29.6298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9400, 0.2884, 0.2439**, and **11.4907, 0.2142, 0.1377** is the 20% darker color. If you saturate the color by 10%, you get **21.4120, 0.2201, 0.1411**, and if you desaturate by 10%, it is **37.7322, 0.2552, 0.2049**.

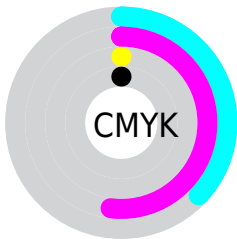
Distribution



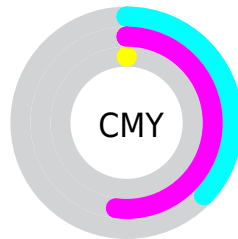
- Red (63%)
- Green (48%)
- Blue (100%)



- Red (63%)
- Yellow (48%)
- Blue (100%)



- Cyan (37%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6127, 0.2378, 0.1722 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 28.6127, 0.2378, 0.1722 by changing the saturation by 10% instead.


 28.6127, 0.2378,
0.1722


 28.6127, 0.2378,
0.1722


295.3832, 0.2780,
0.2450


 18.7880, 0.2275,
0.1563


 57.4612, 0.2527,
0.1970

 11.5172, 0.2143,
0.1374


 77.2538, 0.2583,
0.2068

 6.4159, 0.1972,
0.1147


 101.1378, 0.2629,
0.2153

 3.0996, 0.1743,
0.0878

129.4976, 0.2669,
0.2228

 1.1839, 0.1432,
0.0569

162.7177, 0.2703,
0.2293

 0.0485, 0.1038,
0.0044

201.1824, 0.2732,


 0.0000, 0.0116,

0.2352


0.0000

245.2761, 0.2758,
0.2403


 0.0000, 0.0000,
0.0000


 28.6127, 0.2378,
0.1722

 28.6127, 0.2378,
0.1722


 21.4120, 0.2201,
0.1411


 37.7322, 0.2552,
0.2049


 15.9837, 0.2030,
0.1136


 48.8958, 0.2714,
0.2375


 12.1646, 0.1876,
0.0917

 62.2214, 0.2862,
0.2687

 9.7579, 0.1748,
0.0766

 77.8173, 0.2992,
0.2975

 8.6353, 0.1669,
0.0693

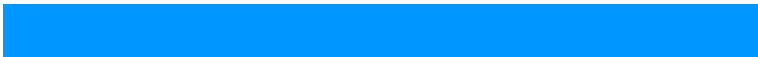
 95.7840, 0.3105,
0.3237

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



28.6127, 0.1631, 0.1608



28.6127, 0.2378, 0.1722



28.6127, 0.3536, 0.2111

Triad

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



28.6127, 0.2378, 0.1722



28.6127, 0.5268, 0.4223



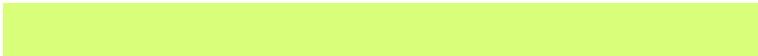
28.6127, 0.1614, 0.3684

Complementary

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



28.6127, 0.2378, 0.1722



87.6526, 0.3624, 0.4681

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.



28.6127, 0.2415, 0.5114



28.6127, 0.2378, 0.1722



28.6127, 0.4500, 0.5058

Square

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



28.6127, 0.2378, 0.1722



28.6127, 0.5448, 0.3435



28.6127, 0.3472, 0.5597



28.6127, 0.1255, 0.2449

Rectangle

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



28.6127, 0.2378, 0.1722



28.6127, 0.4396, 0.2498



28.6127, 0.3472, 0.5597



28.6127, 0.1834, 0.4192

Sweetspot

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



28.6137, 0.2378, 0.1722



71.5638, 0.2944, 0.2867



61.1363, 0.2361, 0.2833



14.6292, 0.2917, 0.2808



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.



28.6137, 0.2378, 0.1722



20.8929, 0.2186, 0.1386



37.3299, 0.2930, 0.1938



17.6295, 0.3023, 0.3047



4.5778, 0.1683, 0.0701



0.4983, 0.1799, 0.0765

Inverse Universe

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



40.1771, 0.3550, 0.2349



33.9317, 0.3673, 0.2195



79.4750, 0.3200, 0.4892



18.2065, 0.3182, 0.3122



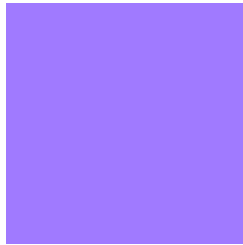
12.9006, 0.4097, 0.2031



1.2750, 0.3972, 0.1962

Previews

White Background



This preview shows how the Yxy color 28.6127, 0.2378, 0.1722 looks on a white background.

Color Contrast Check

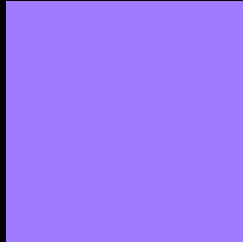
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6127, 0.2378, 0.1722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

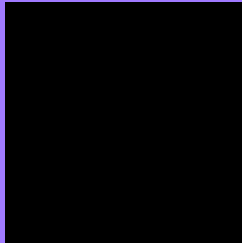
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6127, 0.2378, 0.1722

Background



This preview shows how black text looks on a background with the Yxy color 28.6127, 0.2378, 0.1722.



This preview shows how white text looks on a background with the Yxy color 28.6127, 0.2378, 0.1722.

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

28.6127, 0.2378, 0.1722

Protanopia

28.8932, 0.2020, 0.1810

Deuteranopia

28.9003, 0.1959, 0.1897



Tritanopia

28.5154, 0.2944, 0.3098

Trichromacy



Original Color

28.6127, 0.2378, 0.1722

Protanomaly

28.3299, 0.2119, 0.1763

Deuteranomaly

27.9087, 0.2059, 0.1803

Tritanomaly

27.9446, 0.2714, 0.2478

Monochromacy



Original Color

28.6127, 0.2378, 0.1722

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.8684, 0.2813, 0.2582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6127, 0.2378, 0.1722 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(160, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 122, 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(160, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 122, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.6127, 0.2378, 0.1722 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(160, 122, 255) }
```

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

```
.border{ border-color:rgb(160, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 122,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6127, 0.2378, 0.1722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 122, 255) }
```

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

```
.background{ background-color: rgb(160,  
122, 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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