

Converting Colors

$Y_{xy}(31.3360, 0.2407, 0.1719)$

Have a look what the booklet for
Yxy(31.3360, 0.2407, 0.1719)
contains.

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Color

Yxy(30.7996, 0.2468, 0.1797)

Conversions

Conversions Part 1

Format	Color
Hex	AB7EFF
RGB	171, 126, 255
RGB Percent	67%, 49%, 100%
CMY	0.3294, 0.5058, 0.0001
CMYK	0.33, 0.51, 0.00, 0.00
HSL	261°, 100%, 75%
HSV	261°, 51%, 100%
XYZ	42.3002, 30.7996, 98.2948
YIQ	154.1610, -14.5890, 49.6590

Conversions

Conversions Part 2

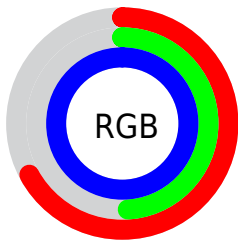
Format	Color
R _Y B	171, 126, 255
Decimal	11239167
CIE Lab	62.34, 44.08, -58.23
CIE LCh	62, 73.031, 307.125
Yxy	30.7996, 0.2468, 0.1797
Android (android.graphics.Color)	4289429247 (0xFFAB7EFF)
YUV	154.1610, 49.7136, 14.7678
Hunter-Lab	55.4974, 38.9325, -66.1639

Details

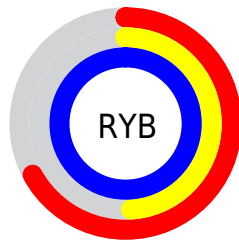
The Yxy color **30.7996, 0.2468, 0.1797** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **86.7047, 0.3557, 0.4667**, and the grayscale version is **32.1731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5205, 0.2961, 0.2510**, and **12.6408, 0.2261, 0.1463** is the 20% darker color. If you saturate the color by 10%, you get **23.3406, 0.2303, 0.1491**, and if you desaturate by 10%, it is **40.1563, 0.2627, 0.2117**.

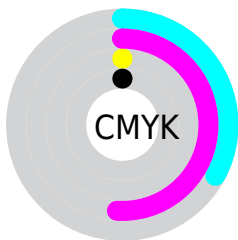
Distribution



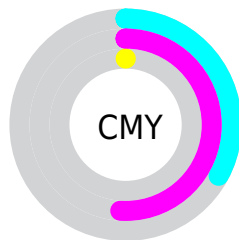
- Red (67%)
- Green (49%)
- Blue (100%)



- Red (67%)
- Yellow (49%)
- Blue (100%)



- Cyan (33%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7996, 0.2468, 0.1797 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 30.7996, 0.2468, 0.1797 by changing the saturation by 10% instead.


 30.7996, 0.2468,
0.1797


 30.7996, 0.2468,
0.1797


305.6140, 0.2823,
0.2488


 20.4463, 0.2377,
0.1646


 60.9244, 0.2600,
0.2033

 12.7199, 0.2260,
0.1464


 81.4647, 0.2649,
0.2126

 7.2359, 0.2106,
0.1246


 106.1695, 0.2690,
0.2207

 3.6101, 0.1898,
0.0983

135.4231, 0.2725,
0.2278

 1.4579, 0.1612,
0.0673

169.6100, 0.2754,
0.2340

 0.2588, 0.1229,
0.0224

209.1145, 0.2780,


 0.0000, 0.0492,


0.2395


0.0000


254.3210, 0.2803,
0.2444

 0.0000, 0.0000,
0.0000


 30.7996, 0.2468,
0.1797


 30.7996, 0.2468,
0.1797

 23.3406, 0.2303,
0.1491

 40.1563, 0.2627,
0.2117

 17.6384, 0.2139,
0.1216


 51.5309, 0.2774,
0.2434


 13.5373, 0.1985,
0.0993

 65.0372, 0.2906,
0.2738

 10.8507, 0.1852,
0.0832

 80.7795, 0.3022,
0.3019

 9.3389, 0.1749,
0.0737

 98.8553, 0.3122,
0.3276

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



30.7996, 0.1721, 0.1673



30.7996, 0.2468, 0.1797



30.7996, 0.3588, 0.2189

Triad

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



30.7996, 0.2468, 0.1797



30.7996, 0.5156, 0.4258



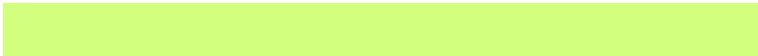
30.7996, 0.1654, 0.3593

Complementary

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



30.7996, 0.2468, 0.1797



86.7047, 0.3557, 0.4667

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.



30.7996, 0.2410, 0.4940



30.7996, 0.2468, 0.1797



30.7996, 0.4414, 0.5039

Square

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



30.7996, 0.2468, 0.1797



30.7996, 0.5347, 0.3491



30.7996, 0.3423, 0.5479



30.7996, 0.1321, 0.2451

Rectangle

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



30.7996, 0.2468, 0.1797



30.7996, 0.4395, 0.2571



30.7996, 0.3423, 0.5479



30.7996, 0.1861, 0.4064

Sweetspot

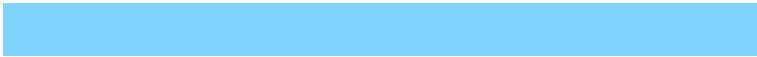
The Sweet Spot groups the original color and five complimentary colors.



30.8007, 0.2468, 0.1797



73.5554, 0.2973, 0.2898



58.7327, 0.2365, 0.2768



15.0384, 0.2948, 0.2838



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.



30.8007, 0.2468, 0.1797



23.0711, 0.2296, 0.1478



39.5467, 0.2995, 0.1998



17.6858, 0.3033, 0.3048



4.9559, 0.1765, 0.0746



0.5406, 0.1887, 0.0813

Inverse Universe

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



40.8311, 0.3616, 0.2448



34.4739, 0.3763, 0.2306



79.2556, 0.3164, 0.4856



18.1864, 0.3192, 0.3136



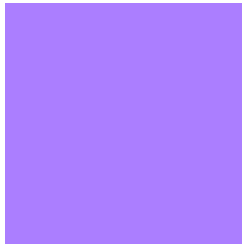
12.5776, 0.4338, 0.2163



1.2453, 0.4175, 0.2074

Previews

White Background



This preview shows how the Yxy color 30.7996, 0.2468, 0.1797 looks on a white background.

Color Contrast Check

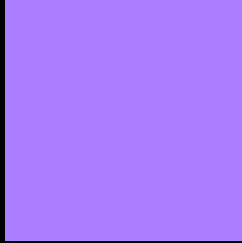
Large Text (above 18pt) WCAG AA × Fail

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 30.7996, 0.2468, 0.1797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

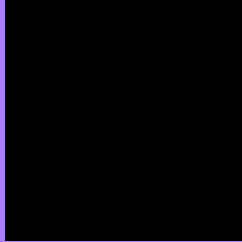
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7996, 0.2468, 0.1797

Background



This preview shows how black text looks on a background with the Yxy color 30.7996, 0.2468, 0.1797.



This preview shows how white text looks on a background with the Yxy color 30.7996, 0.2468, 0.1797.

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

30.7996, 0.2468, 0.1797

Protanopia

31.0305, 0.2085, 0.1892

Deuteranopia

31.3370, 0.2040, 0.1978



Tritanopia

30.7435, 0.3045, 0.3107

Trichromacy



Original Color

30.7996, 0.2468, 0.1797



Protanomaly

30.2744, 0.2193, 0.1835



Deuteranomaly

30.4551, 0.2153, 0.1888



Tritanomaly

30.3608, 0.2812, 0.2535

Monochromacy



Original Color

30.7996, 0.2468, 0.1797



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

31.1817, 0.2857, 0.2630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7996, 0.2468, 0.1797 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(171, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 126, 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(171, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 126, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.7996, 0.2468, 0.1797 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(171, 126, 255) }
```

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

```
.border{ border-color:rgb(171, 126, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 126,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7996, 0.2468, 0.1797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 126, 255) }
```

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

```
.background{ background-color: rgb(171,  
126, 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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