

Converting Colors

$Y_{xy}(28.5169, 0.2405, 0.1770)$

Have a look what the booklet for
Yxy(28.5169, 0.2405, 0.1770)
contains.

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Color

Yxy(28.5416, 0.2408, 0.1770)

Conversions

Conversions Part 1

Format	Color
Hex	A07BFA
RGB	160, 123, 250
RGB Percent	63%, 48%, 98%
CMY	0.3726, 0.5176, 0.0197
CMYK	0.36, 0.51, 0.00, 0.02
HSL	257°, 93%, 73%
HSV	257°, 51%, 98%
XYZ	38.8295, 28.5416, 93.8809
YIQ	148.5410, -18.7150, 47.3410

Conversions

Conversions Part 2

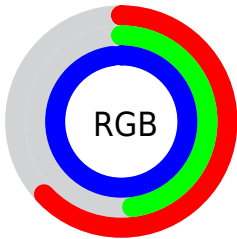
Format	Color
R _Y B	160, 123, 250
Decimal	10517498
CIE Lab	60.37, 41.80, -58.68
CIE LCh	60, 72.043, 305.466
Yxy	28.5416, 0.2408, 0.1770
Android (android.graphics.Color)	4288707578 (0xFFA07BFA)
YUV	148.5410, 50.0193, 10.0495
Hunter-Lab	53.4243, 36.2434, -66.7914

Details

The Yxy color **28.5416, 0.2408, 0.1770** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **83.9299, 0.3609, 0.4646**, and the grayscale version is **29.6458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1761, 0.2876, 0.2448**, and **11.4989, 0.2177, 0.1422** is the 20% darker color. If you saturate the color by 10%, you get **21.4140, 0.2232, 0.1456**, and if you desaturate by 10%, it is **37.5145, 0.2579, 0.2097**.

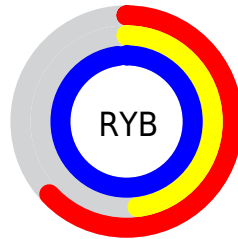
Distribution



Red (63%)

Green (48%)

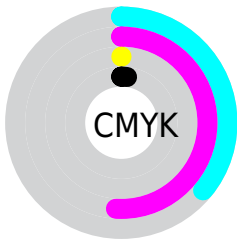
Blue (98%)



Red (63%)

Yellow (48%)

Blue (98%)

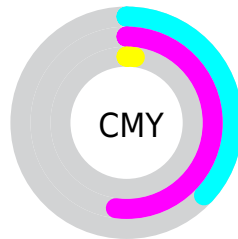


Cyan (36%)

Magenta (51%)

Yellow (0%)

Black (2%)



Cyan (37%)


Magenta (52%)


Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5416, 0.2408, 0.1770 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 28.5416, 0.2408, 0.1770 by changing the saturation by 10% instead.


 28.5416, 0.2408,
0.1770


 28.5416, 0.2408,
0.1770


295.0459, 0.2796,
0.2482

 18.7343, 0.2308,
0.1613


 57.3480, 0.2552,
0.2014

 11.4785, 0.2180,
0.1424


 77.1159, 0.2606,
0.2110

 6.3896, 0.2011,
0.1197


 100.9728, 0.2651,
0.2193

 3.0834, 0.1784,
0.0924

129.3030, 0.2689,
0.2266

 1.1754, 0.1473,
0.0606

162.4911, 0.2721,
0.2330

 0.0415, 0.1073,
0.0041

200.9213, 0.2749,

 0.0000, 0.0017,

0.2386


0.0000


244.9781, 0.2774,
0.2437

 0.0000, 0.0000,
0.0000

 28.5416, 0.2408,
0.1770


 28.5416, 0.2408,
0.1770


 21.4140, 0.2232,
0.1456


 37.5145, 0.2579,
0.2097


 15.9947, 0.2060,
0.1176


 48.4500, 0.2739,
0.2421


 12.1319, 0.1903,
0.0948

 61.4591, 0.2883,
0.2729

 9.6439, 0.1771,
0.0787

 76.6434, 0.3009,
0.3013

 8.3089, 0.1676,
0.0697

 94.0980, 0.3119,
0.3271

99.6803, 0.3156,
0.3338

Harmonies

Analogous

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



28.5416, 0.1679, 0.1660



28.5416, 0.2408, 0.1770



28.5416, 0.3523, 0.2150

Triad

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



28.5416, 0.2408, 0.1770



28.5416, 0.5202, 0.4216



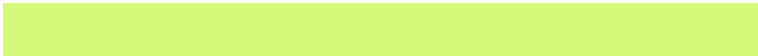
28.5416, 0.1670, 0.3673

Complementary

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



28.5416, 0.2408, 0.1770



83.9299, 0.3609, 0.4646

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.



28.5416, 0.2453, 0.5023



28.5416, 0.2408, 0.1770



28.5416, 0.4472, 0.5012

Square

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



28.5416, 0.2408, 0.1770



28.5416, 0.5359, 0.3447



28.5416, 0.3479, 0.5501



28.5416, 0.1313, 0.2489

Rectangle

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



28.5416, 0.2408, 0.1770



28.5416, 0.4345, 0.2529



28.5416, 0.3479, 0.5501



28.5416, 0.1887, 0.4153

Sweetspot

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



28.5426, 0.2408, 0.1770



73.1928, 0.2958, 0.2896



59.2059, 0.2379, 0.2848



14.9518, 0.2931, 0.2836



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.



28.5426, 0.2408, 0.1770



22.2262, 0.2227, 0.1448



36.6733, 0.2937, 0.1973



16.8878, 0.3024, 0.3048



4.4720, 0.1690, 0.0705



0.4660, 0.1812, 0.0772

Inverse Universe

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



39.2927, 0.3541, 0.2378



34.9074, 0.3658, 0.2227



76.3176, 0.3200, 0.4844



17.4333, 0.3183, 0.3123



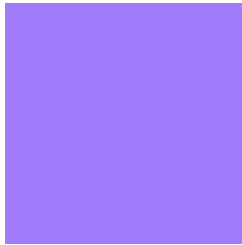
12.4946, 0.4115, 0.2040



1.1757, 0.3980, 0.1966

Previews

White Background



This preview shows how the Yxy color 28.5416, 0.2408, 0.1770 looks on a white background.

Color Contrast Check

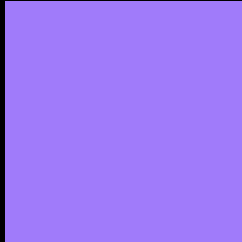
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5416, 0.2408, 0.1770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

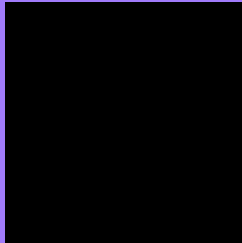
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5416, 0.2408, 0.1770

Background



This preview shows how black text looks on a background with the Yxy color 28.5416, 0.2408, 0.1770.



This preview shows how white text looks on a background with the Yxy color 28.5416, 0.2408, 0.1770.

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

28.5416, 0.2408, 0.1770

Protanopia

28.8932, 0.2020, 0.1810

Deuteranopia

28.9965, 0.2002, 0.1942



Tritanopia

28.5675, 0.2963, 0.3114

Trichromacy



Original Color

28.5416, 0.2408, 0.1770



Protanomaly

28.2017, 0.2128, 0.1779



Deuteranomaly

28.0182, 0.2106, 0.1847



Tritanomaly

28.1416, 0.2731, 0.2518

Monochromacy



Original Color

28.5416, 0.2408, 0.1770



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

29.0736, 0.2830, 0.2622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5416, 0.2408, 0.1770 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, 123, 250)` looks like.

```
.text, #text, p{  
    color:rgb(160, 123, 250)  
}
```

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, 123, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 123, 250) }
```

Border

The CSS property to change the border of an element to Yxy 28.5416, 0.2408, 0.1770 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, 123, 250) }
```

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

```
.border{ border-color:rgb(160, 123, 250) }
```

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

Here you see how a box with a 4 pixel rgb(160, 123, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 123, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 123, 250);  
box-shadow:4px 4px 4px 4px rgb(160, 123,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5416, 0.2408, 0.1770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 123, 250) }
```

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

```
.background{ background-color: rgb(160,  
123, 250) }
```

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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