

Converting Colors

$Yxy(28.4636, 0.2500, 0.1805)$

Have a look what the booklet for
Yxy(28.4636, 0.2500, 0.1805)
contains.

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Color

Yxy(28.3503, 0.2498, 0.1800)

Conversions

Conversions Part 1

Format	Color
Hex	A878F5
RGB	168, 120, 245
RGB Percent	66%, 47%, 96%
CMY	0.3413, 0.5294, 0.0391
CMYK	0.31, 0.51, 0.00, 0.04
HSL	263°, 86%, 72%
HSV	263°, 51%, 96%
XYZ	39.3439, 28.3503, 89.8075
YIQ	148.6020, -11.5170, 49.0510

Conversions

Conversions Part 2

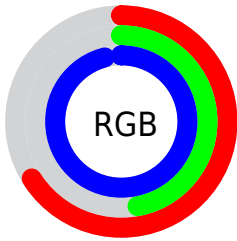
Format	Color
R _Y B	168, 120, 245
Decimal	11041013
CIE Lab	60.20, 44.17, -56.18
CIE LCh	60, 71.462, 308.176
Yxy	28.3503, 0.2498, 0.1800
Android (android.graphics.Color)	4289231093 (0xFFA878F5)
YUV	148.6020, 47.5242, 17.0120
Hunter-Lab	53.2450, 38.7189, -62.7320

Details

The Yxy color **28.3503, 0.2498, 0.1800** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **78.5592, 0.3529, 0.4691**, and the grayscale version is **29.6798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2759, 0.2937, 0.2431**, and **11.4559, 0.2294, 0.1464** is the 20% darker color. If you saturate the color by 10%, you get **21.6297, 0.2340, 0.1500**, and if you desaturate by 10%, it is **36.7732, 0.2649, 0.2114**.

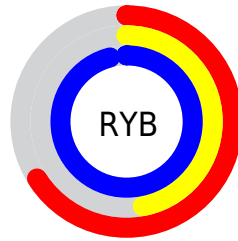
Distribution



Red (66%)

Green (47%)

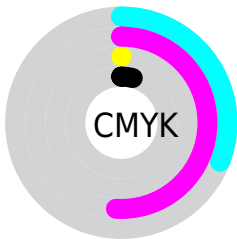
Blue (96%)



Red (66%)

Yellow (47%)

Blue (96%)

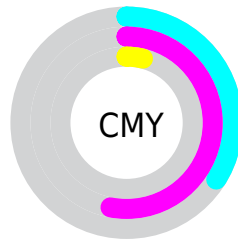


Cyan (31%)

Magenta (51%)

Yellow (0%)

Black (4%)



Cyan (34%)


Magenta (53%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3503, 0.2498, 0.1800 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 28.3503, 0.2498, 0.1800 by changing the saturation by 10% instead.

 28.3503, 0.2498,
0.1800


 28.3503, 0.2498,
0.1800


294.1370, 0.2843,
0.2500


 18.5899, 0.2407,
0.1644


 57.0432, 0.2628,
0.2041

 11.3743, 0.2289,
0.1457


 76.7445, 0.2676,
0.2135

 6.3192, 0.2132,
0.1230


 100.5283, 0.2715,
0.2217

 3.0401, 0.1916,
0.0955

128.7788, 0.2749,
0.2288

 1.1527, 0.1614,
0.0631

161.8806, 0.2778,
0.2351

 0.0226, 0.1218,
0.0024

200.2179, 0.2803,


 0.0000, 0.0115,


0.2406

0.0000

244.1753, 0.2824,
0.2456


 0.0000, 0.0000,
0.0000

 28.3503, 0.2498,
0.1800

 28.3503, 0.2498,
0.1800


 21.6297, 0.2340,
0.1500


 36.7732, 0.2649,
0.2114


 16.4843, 0.2182,
0.1233


 47.0065, 0.2789,
0.2427

 12.7734, 0.2033,
0.1015

 59.1528, 0.2914,
0.2728

 10.3282, 0.1902,
0.0858

 73.3061, 0.3024,
0.3009

 8.9734, 0.1802,
0.0766

 89.5540, 0.3118,
0.3265

99.3743, 0.3185,
0.3386

Harmonies

Analogous

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



28.3503, 0.1734, 0.1665



28.3503, 0.2498, 0.1800



28.3503, 0.3634, 0.2201

Triad

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



28.3503, 0.2498, 0.1800



28.3503, 0.5146, 0.4287



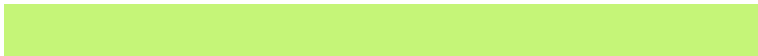
28.3503, 0.1628, 0.3545

Complementary

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



28.3503, 0.2498, 0.1800



78.5592, 0.3529, 0.4691

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.



28.3503, 0.2373, 0.4912



28.3503, 0.2498, 0.1800



28.3503, 0.4386, 0.5071

Square

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



28.3503, 0.2498, 0.1800



28.3503, 0.5365, 0.3515



28.3503, 0.3385, 0.5493



28.3503, 0.1308, 0.2416

Rectangle

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



28.3503, 0.2498, 0.1800



28.3503, 0.4442, 0.2590



28.3503, 0.3385, 0.5493



28.3503, 0.1830, 0.4018

Sweetspot

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



28.3514, 0.2498, 0.1800



73.7761, 0.2982, 0.2899



50.5689, 0.2344, 0.2681



15.0913, 0.2959, 0.2839



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.



28.3514, 0.2498, 0.1800



23.6120, 0.2338, 0.1497



36.9267, 0.3051, 0.2012



16.2365, 0.3039, 0.3050



4.9065, 0.1818, 0.0775



0.4884, 0.1957, 0.0851

Inverse Universe

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



36.8882, 0.3669, 0.2484



34.2244, 0.3827, 0.2354



71.7963, 0.3128, 0.4885



16.6543, 0.3197, 0.3145



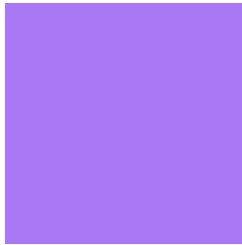
11.6899, 0.4474, 0.2238



1.0475, 0.4273, 0.2127

Previews

White Background



This preview shows how the Yxy color 28.3503, 0.2498, 0.1800 looks on a white background.

Color Contrast Check

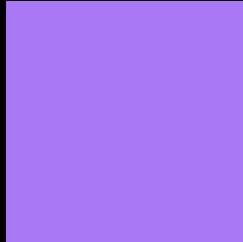
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3503, 0.2498, 0.1800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

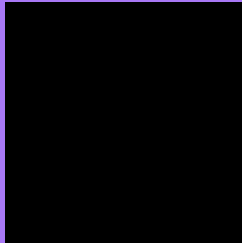
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3503, 0.2498, 0.1800

Background



This preview shows how black text looks on a background with the Yxy color 28.3503, 0.2498, 0.1800.

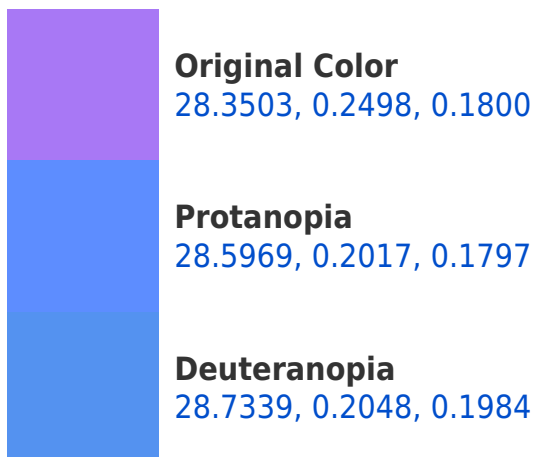


This preview shows how white text looks on a background with the Yxy color 28.3503, 0.2498, 0.1800.

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

28.1631, 0.3094, 0.3103

Trichromacy



Original Color

28.3503, 0.2498, 0.1800



Protanomaly

27.7332, 0.2149, 0.1776



Deuteranomaly

27.9470, 0.2169, 0.1892



Tritanomaly

27.8061, 0.2856, 0.2529

Monochromacy



Original Color

28.3503, 0.2498, 0.1800



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.7056, 0.2875, 0.2624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3503, 0.2498, 0.1800 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, 120, 245)` looks like.

```
.text, #text, p{  
    color:rgb(168, 120, 245)  
}
```

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, 120, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 120, 245) }
```

Border

The CSS property to change the border of an element to Yxy 28.3503, 0.2498, 0.1800 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, 120, 245) }
```

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

```
.border{ border-color:rgb(168, 120, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 120, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 120, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 120, 245);  
box-shadow:4px 4px 4px 4px rgb(168, 120,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3503, 0.2498, 0.1800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 120, 245) }
```

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

```
.background{ background-color: rgb(168,  
120, 245) }
```

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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