

Converting Colors

$Y_{xy}(28.5744, 0.2391, 0.1717)$

Have a look what the booklet for
Yxy(28.5744, 0.2391, 0.1717)
contains.

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Color

Yxy(28.5761, 0.2391, 0.1717)

Conversions

Conversions Part 1

Format	Color
Hex	A279FF
RGB	162, 121, 255
RGB Percent	64%, 47%, 100%
CMY	0.3647, 0.5255, 0.0000
CMYK	0.36, 0.53, 0.00, 0.00
HSL	258°, 100%, 74%
HSV	258°, 53%, 100%
XYZ	39.7935, 28.5761, 98.0608
YIQ	148.5350, -18.5780, 50.3660

Conversions

Conversions Part 2

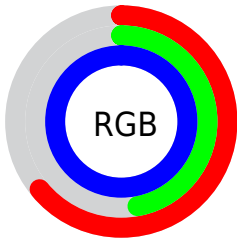
Format	Color
R _{YB}	162, 121, 255
Decimal	10648063
CIE _{Lab}	60.41, 44.71, -61.41
CIE _{LCh}	60, 75.962, 306.060
Y _{xy}	28.5761, 0.2391, 0.1717
Android (android.graphics.Color)	4288838143 (0xFFA279FF)
YUV	148.5350, 52.4872, 11.8088
Hunter-Lab	53.4566, 39.3277, -71.3419

Details

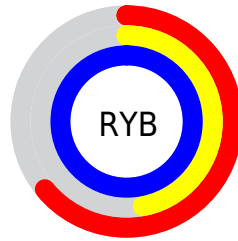
The Yxy color **28.5761, 0.2391, 0.1717** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **87.1936, 0.3608, 0.4700**, and the grayscale version is **29.6297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8643, 0.2899, 0.2432**, and **11.5410, 0.2167, 0.1377** is the 20% darker color. If you saturate the color by 10%, you get **21.4504, 0.2218, 0.1410**, and if you desaturate by 10%, it is **37.5967, 0.2561, 0.2042**.

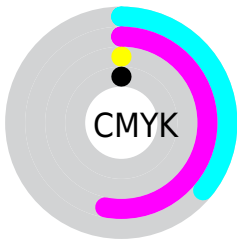
Distribution



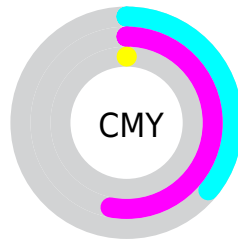
- Red (64%)
- Green (47%)
- Blue (100%)



- Red (64%)
- Yellow (47%)
- Blue (100%)



- Cyan (36%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5761, 0.2391, 0.1717 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 28.5761, 0.2391, 0.1717 by changing the saturation by 10% instead.


 28.5761, 0.2391,
0.1717


 28.5761, 0.2391,
0.1717


295.2096, 0.2788,
0.2446

 18.7604, 0.2289,
0.1558


 57.4029, 0.2538,
0.1965

 11.4973, 0.2159,
0.1369


 77.1828, 0.2593,
0.2064

 6.4024, 0.1989,
0.1142


 101.0528, 0.2639,
0.2149

 3.0912, 0.1762,
0.0874

129.3975, 0.2678,
0.2224

 1.1796, 0.1453,
0.0566

162.6011, 0.2711,
0.2289

 0.0449, 0.1060,
0.0041

201.0480, 0.2740,


 0.0000, 0.0156,


0.2348

0.0000

245.1227, 0.2765,
0.2400


 0.0000, 0.0000,
0.0000

 28.5761, 0.2391,
0.1717


 28.5761, 0.2391,
0.1717


 21.4504, 0.2218,
0.1410


 37.5967, 0.2561,
0.2042

 16.0818, 0.2049,
0.1139


 48.6452, 0.2720,
0.2366


 12.3044, 0.1897,
0.0924

 61.8363, 0.2864,
0.2676

 9.9212, 0.1769,
0.0776

 77.2777, 0.2991,
0.2965

 8.8419, 0.1693,
0.0706

 95.0695, 0.3102,
0.3227

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



28.5761, 0.1631, 0.1597



28.5761, 0.2391, 0.1717



28.5761, 0.3565, 0.2113

Triad

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



28.5761, 0.2391, 0.1717



28.5761, 0.5271, 0.4240



28.5761, 0.1590, 0.3656

Complementary

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



28.5761, 0.2391, 0.1717



87.1936, 0.3608, 0.4700

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.



28.5761, 0.2388, 0.5111



28.5761, 0.2391, 0.1717



28.5761, 0.4487, 0.5083

Square

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



28.5761, 0.2391, 0.1717



28.5761, 0.5471, 0.3447



28.5761, 0.3448, 0.5621



28.5761, 0.1240, 0.2422

Rectangle

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



28.5761, 0.2391, 0.1717



28.5761, 0.4431, 0.2505



28.5761, 0.3448, 0.5621



28.5761, 0.1809, 0.4170

Sweetspot

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



28.5744, 0.2391, 0.1717



71.6947, 0.2949, 0.2868



59.7817, 0.2351, 0.2801



14.6601, 0.2923, 0.2809



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.



28.5744, 0.2391, 0.1717



21.1742, 0.2210, 0.1397



37.4186, 0.2948, 0.1937



17.6473, 0.3027, 0.3048



4.6884, 0.1707, 0.0714



0.5110, 0.1826, 0.0779

Inverse Universe

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



39.7863, 0.3582, 0.2367



33.7757, 0.3710, 0.2222



79.1767, 0.3187, 0.4911



18.2001, 0.3185, 0.3126



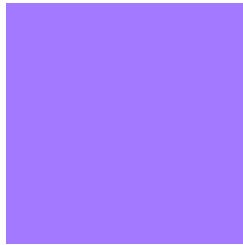
12.7943, 0.4172, 0.2072



1.2653, 0.4035, 0.1996

Previews

White Background



This preview shows how the Yxy color 28.5761, 0.2391, 0.1717 looks on a white background.

Color Contrast Check

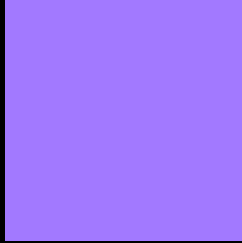
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5761, 0.2391, 0.1717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

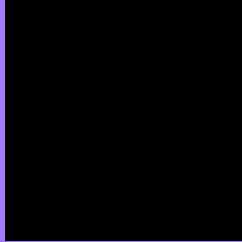
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5761, 0.2391, 0.1717

Background



This preview shows how black text looks on a background with the Yxy color 28.5761, 0.2391, 0.1717.



This preview shows how white text looks on a background with the Yxy color 28.5761, 0.2391, 0.1717.

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

28.5761, 0.2391, 0.1717

Protanopia

28.8932, 0.2020, 0.1810

Deuteranopia

28.9003, 0.1959, 0.1897



Tritanopia

28.3478, 0.2973, 0.3099

Trichromacy



Original Color

28.5761, 0.2391, 0.1717

Protanomaly

28.1217, 0.2122, 0.1753

Deuteranomaly

27.9668, 0.2064, 0.1805

Tritanomaly

27.8481, 0.2731, 0.2467

Monochromacy



Original Color

28.5761, 0.2391, 0.1717

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.9661, 0.2822, 0.2584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5761, 0.2391, 0.1717 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(162, 121, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 121, 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(162, 121, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 121, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.5761, 0.2391, 0.1717 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(162, 121, 255) }
```

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

```
.border{ border-color:rgb(162, 121, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 121, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 121, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 121, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 121,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5761, 0.2391, 0.1717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 121, 255) }
```

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

```
.background{ background-color: rgb(162,  
121, 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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