

Converting Colors

$Y_{xy}(29.5716, 0.2574, 0.1849)$

Have a look what the booklet for
Yxy(29.5716, 0.2574, 0.1849)
contains.

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Color

Yxy(29.4365, 0.2573, 0.1844)

Conversions

Conversions Part 1

Format	Color
Hex	B079F4
RGB	176, 121, 244
RGB Percent	69%, 47%, 96%
CMY	0.3098, 0.5255, 0.0430
CMYK	0.28, 0.50, 0.00, 0.04
HSL	267°, 85%, 72%
HSV	267°, 50%, 96%
XYZ	41.0738, 29.4365, 89.1236
YIQ	151.4670, -6.7030, 49.9130

Conversions

Conversions Part 2

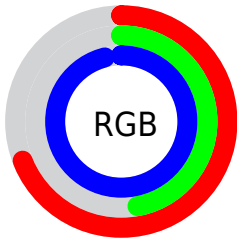
Format	Color
R _Y B	176, 121, 244
Decimal	11565556
CIE Lab	61.16, 45.41, -54.04
CIE LCh	61, 70.588, 310.039
Yxy	29.4365, 0.2573, 0.1844
Android (android.graphics.Color)	4289755636 (0xFFB079F4)
YUV	151.4670, 45.6188, 21.5154
Hunter-Lab	54.2554, 40.1856, -59.4150

Details

The Yxy color **29.4365, 0.2573, 0.1844** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **76.9175, 0.3471, 0.4700**, and the grayscale version is **30.9612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3724, 0.2999, 0.2467**, and **11.9612, 0.2387, 0.1510** is the 20% darker color. If you saturate the color by 10%, you get **22.7428, 0.2429, 0.1553**, and if you desaturate by 10%, it is **37.7885, 0.2709, 0.2149**.

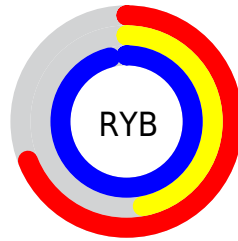
Distribution



Red (69%)

Green (47%)

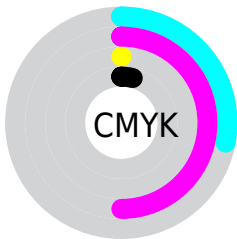
Blue (96%)



Red (69%)

Yellow (47%)

Blue (96%)

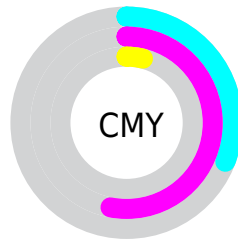


Cyan (28%)

Magenta (50%)

Yellow (0%)

Black (4%)



Cyan (31%)


Magenta (53%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4365, 0.2573, 0.1844 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 29.4365, 0.2573, 0.1844 by changing the saturation by 10% instead.


 29.4365, 0.2573,
0.1844


 29.4365, 0.2573,
0.1844


299.2689, 0.2879,
0.2522

 19.4113, 0.2491,
0.1693


 58.7699, 0.2689,
0.2078

 11.9678, 0.2385,
0.1511


 78.8468, 0.2731,
0.2169

 6.7218, 0.2242,
0.1288


 103.0431, 0.2767,
0.2248

 3.2887, 0.2044,
0.1017

131.7432, 0.2796,
0.2317

 1.2843, 0.1762,
0.0693

165.3314, 0.2822,
0.2378

 0.1290, 0.1379,
0.0137

204.1922, 0.2844,

 0.0000, 0.0430,

0.2431

0.0000

248.7099, 0.2863,
0.2479


 0.0000, 0.0000,
0.0000


 29.4365, 0.2573,
0.1844


 29.4365, 0.2573,
0.1844

 22.7428, 0.2429,
0.1553


 37.7885, 0.2709,
0.2149


 17.5841, 0.2284,
0.1293


 47.9031, 0.2834,
0.2455

 13.8246, 0.2143,
0.1079

 59.8797, 0.2945,
0.2749

 11.3015, 0.2015,
0.0923

 73.8094, 0.3041,
0.3026

 9.7909, 0.1908,
0.0825

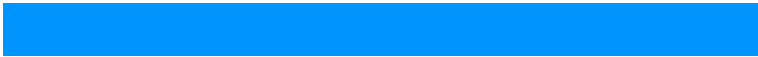
 89.7770, 0.3124,
0.3280

99.3131, 0.3191,
0.3395

Harmonies

Analogous

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



29.4365, 0.1796, 0.1694



29.4365, 0.2573, 0.1844



29.4365, 0.3699, 0.2255

Triad

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



29.4365, 0.2573, 0.1844



29.4365, 0.5076, 0.4330



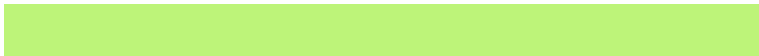
29.4365, 0.1628, 0.3460

Complementary

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



29.4365, 0.2573, 0.1844



76.9175, 0.3471, 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.



29.4365, 0.2338, 0.4795



29.4365, 0.2573, 0.1844



29.4365, 0.4314, 0.5083

Square

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



29.4365, 0.2573, 0.1844



29.4365, 0.5324, 0.3566



29.4365, 0.3326, 0.5435



29.4365, 0.1334, 0.2389

Rectangle

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



29.4365, 0.2573, 0.1844



29.4365, 0.4478, 0.2645



29.4365, 0.3326, 0.5435



29.4365, 0.1819, 0.3914

Sweetspot

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



29.4376, 0.2573, 0.1844



74.1843, 0.2998, 0.2901



47.7342, 0.2337, 0.2607



15.1891, 0.2978, 0.2842



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.



29.4376, 0.2573, 0.1844



25.3142, 0.2433, 0.1561



38.0096, 0.3109, 0.2048



16.2894, 0.3049, 0.3050



5.4010, 0.1924, 0.0834



0.5347, 0.2063, 0.0910

Inverse Universe

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



36.5864, 0.3748, 0.2570



34.3332, 0.3929, 0.2456



70.7790, 0.3095, 0.4879



16.6359, 0.3207, 0.3160



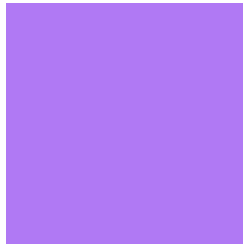
11.4356, 0.4737, 0.2383



1.0258, 0.4492, 0.2248

Previews

White Background



This preview shows how the Yxy color 29.4365, 0.2573, 0.1844 looks on a white background.

Color Contrast Check

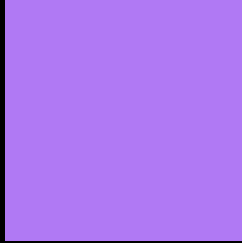
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4365, 0.2573, 0.1844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

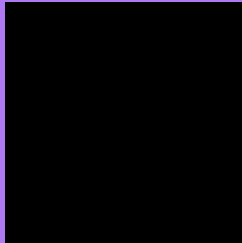
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4365, 0.2573, 0.1844

Background



This preview shows how black text looks on a background with the Yxy color 29.4365, 0.2573, 0.1844.

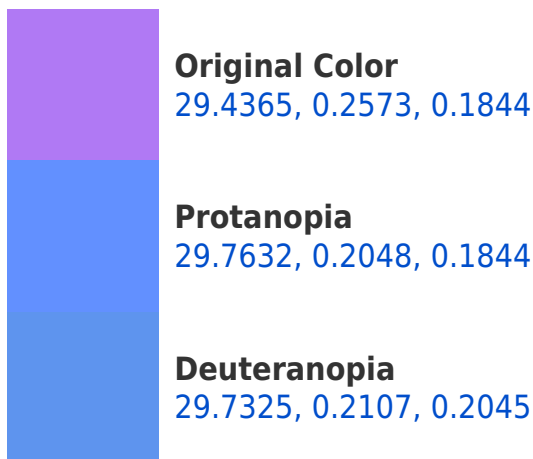


This preview shows how white text looks on a background with the Yxy color 29.4365, 0.2573, 0.1844.

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

29.3489, 0.3188, 0.3124

Trichromacy



Original Color

29.4365, 0.2573, 0.1844



Protanomaly

29.0090, 0.2192, 0.1826



Deuteranomaly

28.7533, 0.2237, 0.1941



Tritanomaly

28.9151, 0.2936, 0.2561

Monochromacy



Original Color

29.4365, 0.2573, 0.1844



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.7325, 0.2906, 0.2648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4365, 0.2573, 0.1844 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(176, 121, 244)` looks like.

```
.text, #text, p{  
    color:rgb(176, 121, 244)  
}
```

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(176, 121, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 121, 244) }
```

Border

The CSS property to change the border of an element to Yxy 29.4365, 0.2573, 0.1844 is called "border". The border property can be set on classes, ids or directly on the HTML element.

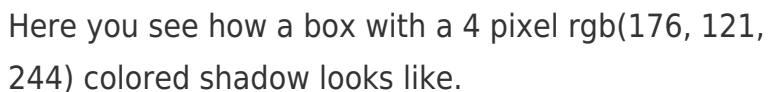
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 121, 244) }
```

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

```
.border{ border-color:rgb(176, 121, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 121, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 121, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 121, 244); box-shadow:4px 4px 4px 4px rgb(176, 121, 244) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4365, 0.2573, 0.1844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 121, 244) }
```

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

```
.background{ background-color: rgb(176,  
121, 244) }
```

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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