

Converting Colors

$Y_{xy}(27.3406, 0.2547, 0.1755)$

Have a look what the booklet for
Yxy(27.3406, 0.2547, 0.1755)
contains.

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Color

Yxy(27.3406, 0.2547, 0.1755)

Conversions

Conversions Part 1

Format	Color
Hex	AE71F4
RGB	174, 113, 244
RGB Percent	68%, 44%, 96%
CMY	0.3179, 0.5567, 0.0432
CMYK	0.29, 0.54, 0.00, 0.04
HSL	268°, 86%, 70%
HSV	268°, 54%, 96%
XYZ	39.6789, 27.3406, 88.7674
YIQ	146.1730, -5.6950, 53.6730

Conversions

Conversions Part 2

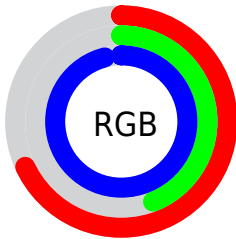
Format	Color
RYB	174, 113, 244
Decimal	11432436
CIELab	59.29, 49.17, -57.03
CIElCh	59, 75.300, 310.768
Yxy	27.3406, 0.2547, 0.1755
Android (android.graphics.Color)	4289622516 (0xFFAE71F4)
YUV	146.1730, 48.2287, 24.4043
Hunter-Lab	52.2882, 43.9503, -64.0522

Details

The Yxy color $27.3406, 0.2547, 0.1755$ is a light color, and the websafe version is hex $9966FF$. A complement of this color would be $75.9676, 0.3468, 0.4800$, and the grayscale version is $28.6207, 0.3127, 0.3290$.

A 20% lighter version of the original color is $52.0132, 0.2983, 0.2382$, and $10.8150, 0.2342, 0.1405$ is the 20% darker color. If you saturate the color by 10%, you get $21.1815, 0.2406, 0.1475$, and if you desaturate by 10%, it is $35.1106, 0.2682, 0.2055$.

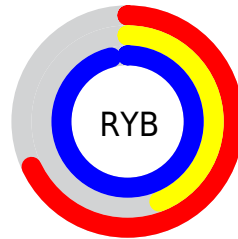
Distribution



Red (68%)

Green (44%)

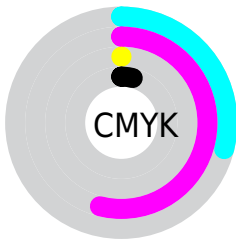
Blue (96%)



Red (68%)

Yellow (44%)

Blue (96%)

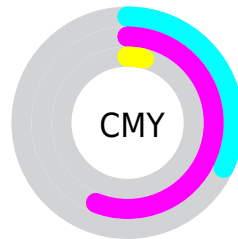


Cyan (29%)

Magenta (54%)

Yellow (0%)

Black (4%)



Cyan (32%)


Magenta (56%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3406, 0.2547, 0.1755 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 27.3406, 0.2547, 0.1755 by changing the saturation by 10% instead.


 27.3406, 0.2547,
0.1755

 27.3406, 0.2547,
0.1755


289.3025, 0.2872,
0.2473


 17.8292, 0.2460,
0.1596


 55.4299, 0.2671,
0.2002


 10.8274, 0.2345,
0.1406


 74.7767, 0.2716,
0.2099

 5.9509, 0.2192,
0.1176


 98.1706, 0.2753,
0.2182

 2.8153, 0.1981,
0.0899

 125.9962, 0.2784,
0.2256

 1.0361, 0.1680,
0.0578

158.6377, 0.2811,
0.2320

 0.0000, 0.1280,
0.0000

196.4797, 0.2834,

 0.0000, 0.0182,

0.2377

0.0000

239.9065, 0.2854,
0.2428

0.0000, 0.0000,
0.0000

27.3406, 0.2547,
0.1755

27.3406, 0.2547,
0.1755

21.1815, 0.2406,
0.1475

35.1106, 0.2682,
0.2055

16.5059, 0.2265,
0.1231

44.5992, 0.2806,
0.2359

13.1713, 0.2131,
0.1038

55.9082, 0.2918,
0.2657

11.0039, 0.2009,
0.0903

69.1303, 0.3015,
0.2938

10.0738, 0.1940,
0.0842

84.3517, 0.3100,
0.3200

98.7935, 0.3174,
0.3396

99.3112, 0.3191,
0.3396

Harmonies

Analogous

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



27.3406, 0.1716, 0.1589



27.3406, 0.2547, 0.1755



27.3406, 0.3775, 0.2192

Triad

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



27.3406, 0.2547, 0.1755



27.3406, 0.5185, 0.4374



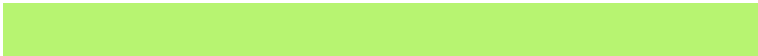
27.3406, 0.1498, 0.3425

Complementary

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



27.3406, 0.2547, 0.1755



75.9676, 0.3468, 0.4800

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.



27.3406, 0.2231, 0.4929



27.3406, 0.2547, 0.1755



27.3406, 0.4337, 0.5212

Square

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



27.3406, 0.2547, 0.1755



27.3406, 0.5506, 0.3564



27.3406, 0.3276, 0.5642



27.3406, 0.1213, 0.2280

Rectangle

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



27.3406, 0.2547, 0.1755



27.3406, 0.4627, 0.2603



27.3406, 0.3276, 0.5642



27.3406, 0.1692, 0.3929

Sweetspot

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



27.3416, 0.2547, 0.1755



72.7677, 0.2994, 0.2874



44.7682, 0.2284, 0.2524



14.9145, 0.2974, 0.2816



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.



27.3416, 0.2547, 0.1755



23.1320, 0.2399, 0.1463



36.4306, 0.3126, 0.1987



16.3044, 0.3052, 0.3051



5.5575, 0.1957, 0.0852



0.5490, 0.2094, 0.0927

Inverse Universe

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



34.4725, 0.3834, 0.2553



32.1383, 0.4047, 0.2445



69.8532, 0.3079, 0.4999



16.6307, 0.3210, 0.3164



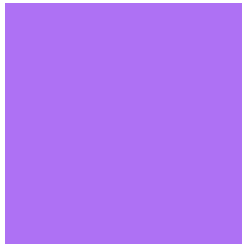
11.3697, 0.4813, 0.2425



1.0200, 0.4556, 0.2283

Previews

White Background



This preview shows how the Yxy color 27.3406, 0.2547, 0.1755 looks on a white background.

Color Contrast Check

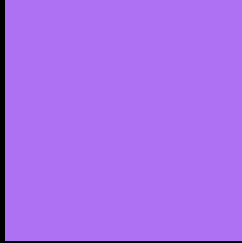
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3406, 0.2547, 0.1755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

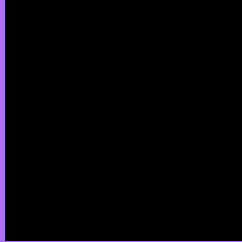
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3406, 0.2547, 0.1755

Background



This preview shows how black text looks on a background with the Yxy color 27.3406, 0.2547, 0.1755.



This preview shows how white text looks on a background with the Yxy color 27.3406, 0.2547, 0.1755.

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

27.3406, 0.2547, 0.1755

Protanopia

27.7115, 0.1985, 0.1762

Deuteranopia

27.8250, 0.2032, 0.1969



Tritanopia

27.0974, 0.3223, 0.3119

Trichromacy



Original Color

27.3406, 0.2547, 0.1755



Protanomaly

26.8522, 0.2135, 0.1737



Deuteranomaly

26.6437, 0.2162, 0.1855



Tritanomaly

26.6438, 0.2951, 0.2506

Monochromacy



Original Color

27.3406, 0.2547, 0.1755



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.4955, 0.2891, 0.2591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3406, 0.2547, 0.1755 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(174, 113, 244)` looks like.

```
.text, #text, p{  
    color:rgb(174, 113, 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(174, 113, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 113, 244) }
```

Border

The CSS property to change the border of an element to Yxy 27.3406, 0.2547, 0.1755 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(174, 113, 244) }
```

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

```
.border{ border-color:rgb(174, 113, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 113, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 113, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 113, 244);  
box-shadow:4px 4px 4px 4px rgb(174, 113,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3406, 0.2547, 0.1755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 113, 244) }
```

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

```
.background{ background-color: rgb(174,  
113, 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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