

Converting Colors

$Y_{xy}(37.7767, 0.2469, 0.2128)$

Have a look what the booklet for
Yxy(37.7767, 0.2469, 0.2128)
contains.

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Color

Yxy(37.7576, 0.2466, 0.2123)

Conversions

Conversions Part 1

Format	Color
Hex	A29AFB
RGB	162, 154, 251
RGB Percent	64%, 60%, 98%
CMY	0.3649, 0.3960, 0.0157
CMYK	0.35, 0.39, 0.00, 0.02
HSL	245°, 92%, 79%
HSV	245°, 39%, 98%
XYZ	43.8579, 37.7576, 96.2347
YIQ	167.4500, -26.3690, 31.8630

Conversions

Conversions Part 2

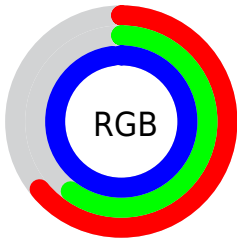
Format	Color
R _Y B	162, 154, 251
Decimal	10656507
CIE Lab	67.84, 24.99, -47.38
CIE LCh	68, 53.565, 297.805
Yxy	37.7576, 0.2466, 0.2123
Android (android.graphics.Color)	4288846587 (0xFFA29AFB)
YUV	167.4500, 41.1902, -4.7796
Hunter-Lab	61.4472, 19.8715, -49.8432

Details

The Yxy color **37.7576, 0.2466, 0.2123** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.3901, 0.3653, 0.4271**, and the grayscale version is **38.6768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3918, 0.2895, 0.2795**, and **16.6597, 0.2272, 0.1844** is the 20% darker color. If you saturate the color by 10%, you get **28.1250, 0.2259, 0.1771**, and if you desaturate by 10%, it is **49.5674, 0.2663, 0.2464**.

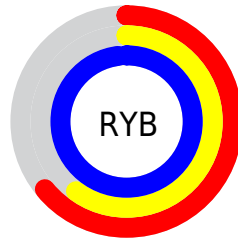
Distribution



Red (64%)

Green (60%)

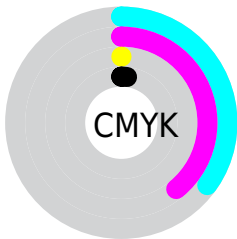
Blue (98%)



Red (64%)

Yellow (60%)

Blue (98%)

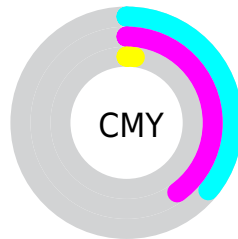


Cyan (35%)

Magenta (39%)

Yellow (0%)

Black (2%)



Cyan (36%)

Magenta (40%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7576, 0.2466, 0.2123 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 37.7576, 0.2466, 0.2123 by changing the saturation by 10% instead.

37.7576, 0.2466,
0.2123

37.7576, 0.2466,
0.2123

336.5790, 0.2804,
0.2674

25.7946, 0.2382,
0.1998

71.7365, 0.2589,
0.2314

16.6700, 0.2276,
0.1845

94.5211, 0.2635,
0.2389

9.9995, 0.2137,
0.1655

121.6818, 0.2674,
0.2453

5.3986, 0.1952,
0.1415

153.6028, 0.2708,
0.2509

2.4830, 0.1696,
0.1110

190.6687, 0.2737,
0.2558

0.8681, 0.1334,
0.0731


233.2637, 0.2762,

0.0000, 0.0722,

0.2601

0.0000

281.7724, 0.2785,
0.2639


 0.0000, 0.0000,
0.0000


 37.7576, 0.2466,
0.2123


 37.7576, 0.2466,
0.2123


 28.1250, 0.2259,
0.1771


 49.5674, 0.2663,
0.2464


 20.5324, 0.2054,
0.1429


 63.6719, 0.2844,
0.2782

 14.8335, 0.1865,
0.1121

 80.1852, 0.3004,
0.3069

 10.8609, 0.1707,
0.0874

 99.2127, 0.3145,
0.3323

 8.4174, 0.1592,
0.0706

 99.7444, 0.3150,
0.3328

■ 7.2288, 0.1526,
0.0619

■ 7.1184, 0.1520,
0.0611

Harmonies

Analogous

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



37.7576, 0.1973, 0.2112



37.7576, 0.2466, 0.2123



37.7576, 0.3207, 0.2367

Triad

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



37.7576, 0.2466, 0.2123



37.7576, 0.4689, 0.3928



37.7576, 0.2234, 0.3801

Complementary

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



37.7576, 0.2466, 0.2123



90.3901, 0.3653, 0.4271

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.



37.7576, 0.2892, 0.4548



37.7576, 0.2466, 0.2123



37.7576, 0.4318, 0.4467

Square

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



37.7576, 0.2466, 0.2123



37.7576, 0.4598, 0.3343



37.7576, 0.3655, 0.4768



37.7576, 0.1845, 0.2958

Rectangle

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



37.7576, 0.2466, 0.2123



37.7576, 0.3762, 0.2638



37.7576, 0.3655, 0.4768



37.7576, 0.2429, 0.4087

Sweetspot

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



37.7590, 0.2466, 0.2123



77.0610, 0.2952, 0.2976



78.8554, 0.2579, 0.3215



16.0083, 0.2932, 0.2939



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.



37.7590, 0.2466, 0.2123



31.5398, 0.2313, 0.1862



43.6349, 0.2824, 0.2230



16.7107, 0.2991, 0.3045



3.7661, 0.1526, 0.0614



0.3713, 0.1583, 0.0646

Inverse Universe

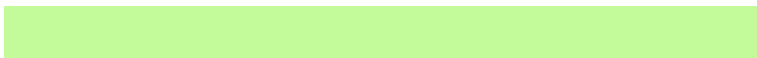
The Inverse Universe completely reimagines the original color for something new.



50.1022, 0.3237, 0.2402



45.9694, 0.3262, 0.2244



83.0640, 0.3331, 0.4384



17.4987, 0.3151, 0.3075



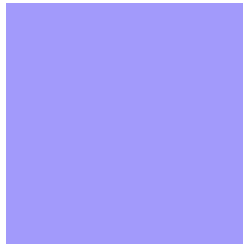
13.8089, 0.3426, 0.1661



1.2860, 0.3397, 0.1645

Previews

White Background



This preview shows how the Yxy color 37.7576, 0.2466, 0.2123 looks on a white background.

Color Contrast Check

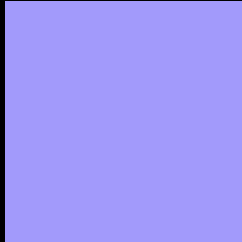
Large Text (above 18pt) WCAG AA × Fail

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 37.7576, 0.2466, 0.2123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

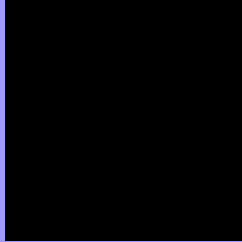
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7576, 0.2466, 0.2123

Background



This preview shows how black text looks on a background with the Yxy color 37.7576, 0.2466, 0.2123.



This preview shows how white text looks on a background with the Yxy color 37.7576, 0.2466, 0.2123.

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

37.7576, 0.2466, 0.2123

Protanopia

37.8860, 0.2266, 0.2128

Deuteranopia

37.8261, 0.2270, 0.2203



Tritanopia

37.9564, 0.2833, 0.3102

Trichromacy



Original Color

37.7576, 0.2466, 0.2123

Protanomaly

37.7028, 0.2328, 0.2118

Deuteranomaly

37.5327, 0.2332, 0.2163

Tritanomaly

37.7313, 0.2686, 0.2704

Monochromacy



Original Color

37.7576, 0.2466, 0.2123

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.9172, 0.2856, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7576, 0.2466, 0.2123 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, 154, 251)` looks like.

```
.text, #text, p{  
    color:rgb(162, 154, 251)  
}
```

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, 154, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 154, 251) }
```

Border

The CSS property to change the border of an element to Yxy 37.7576, 0.2466, 0.2123 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, 154, 251) }
```

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

```
.border{ border-color:rgb(162, 154, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 154, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 154, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 154, 251);  
box-shadow:4px 4px 4px 4px rgb(162, 154,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7576, 0.2466, 0.2123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 154, 251) }
```

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

```
.background{ background-color: rgb(162,  
154, 251) }
```

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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