

Converting Colors

$Y_{xy}(23.6344, 0.2423, 0.1578)$

Have a look what the booklet for
Yxy(23.6344, 0.2423, 0.1578)
contains.

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Color

Yxy(23.7477, 0.2426, 0.1583)

Conversions

Conversions Part 1

Format	Color
Hex	A365F6
RGB	163, 101, 246
RGB Percent	64%, 40%, 96%
CMY	0.3608, 0.6039, 0.0352
CMYK	0.34, 0.59, 0.00, 0.04
HSL	266°, 89%, 68%
HSV	266°, 59%, 96%
XYZ	36.3941, 23.7477, 89.8752
YIQ	136.0680, -9.5930, 58.2390

Conversions

Conversions Part 2

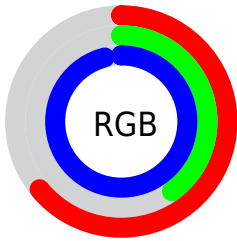
Format	Color
R _Y B	163, 101, 246
Decimal	10708470
CIE Lab	55.83, 53.45, -63.76
CIE LCh	56, 83.197, 309.973
Yxy	23.7477, 0.2426, 0.1583
Android (android.graphics.Color)	4288898550 (0xFFA365F6)
YUV	136.0680, 54.1965, 23.6194
Hunter-Lab	48.7316, 48.0285, -75.2358

Details

The Yxy color **23.7477, 0.2426, 0.1583** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **77.0616, 0.3522, 0.4926**, and the grayscale version is **24.4435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8608, 0.2901, 0.2227**, and **8.8740, 0.2177, 0.1199** is the 20% darker color. If you saturate the color by 10%, you get **18.2601, 0.2276, 0.1314**, and if you desaturate by 10%, it is **30.8320, 0.2574, 0.1880**.

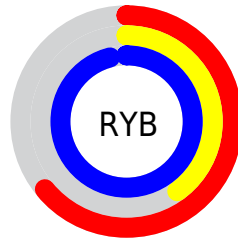
Distribution



Red (64%)

Green (40%)

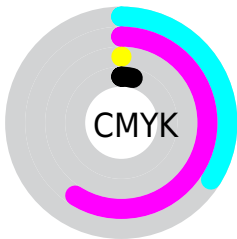
Blue (96%)



Red (64%)

Yellow (40%)

Blue (96%)

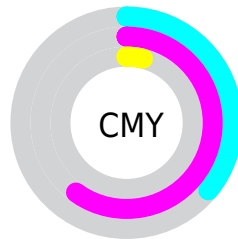


Cyan (34%)

Magenta (59%)

Yellow (0%)

Black (4%)



Cyan (36%)

Magenta (60%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7477, 0.2426, 0.1583 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 23.7477, 0.2426, 0.1583 by changing the saturation by 10% instead.


 23.7477, 0.2426,
0.1583


 23.7477, 0.2426,
0.1583

271.5424, 0.2821,
0.2378


 15.1466, 0.2320,
0.1411


 49.6182, 0.2576,
0.1854


 8.9223, 0.2183,
0.1207

 67.6563, 0.2631,
0.1961

 4.6905, 0.2001,
0.0966


 89.6089, 0.2676,
0.2054

 2.0669, 0.1753,
0.0687

 115.8603, 0.2715,
0.2135

 0.6459, 0.1414,
0.0374

146.7950, 0.2747,
0.2207

 0.0000, 0.0965,
0.0000

182.7973, 0.2775,

 0.0000, 0.0000,

0.2271

0.0000

224.2517, 0.2799,
0.2327

■ 23.7477, 0.2426,
0.1583

■ 23.7477, 0.2426,
0.1583

■ 18.2601, 0.2276,
0.1314

■ 30.8320, 0.2574,
0.1880

■ 14.2292, 0.2131,
0.1090

■ 39.6313, 0.2713,
0.2189

■ 11.4940, 0.1999,
0.0923

■ 50.2553, 0.2840,
0.2496

■ 9.8158, 0.1884,
0.0815

■ 62.8036, 0.2953,
0.2790

■ 9.6689, 0.1873,
0.0805

■ 77.3684, 0.3051,
0.3064

94.0360, 0.3135,
0.3315

99.4354, 0.3179,
0.3376

Harmonies

Analogous

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



23.7477, 0.1538, 0.1412



23.7477, 0.2426, 0.1583



23.7477, 0.3816, 0.2043

Triad

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



23.7477, 0.2426, 0.1583



23.7477, 0.5399, 0.4362



23.7477, 0.1307, 0.3457

Complementary

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



23.7477, 0.2426, 0.1583



77.0616, 0.3522, 0.4926

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.



23.7477, 0.2096, 0.5280



23.7477, 0.2426, 0.1583



23.7477, 0.4415, 0.5359

Square

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



23.7477, 0.2426, 0.1583



23.7477, 0.5814, 0.3488



23.7477, 0.3238, 0.6014



23.7477, 0.1019, 0.2141

Rectangle

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



23.7477, 0.2426, 0.1583



23.7477, 0.4815, 0.2481



23.7477, 0.3238, 0.6014



23.7477, 0.1511, 0.4066

Sweetspot

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



23.7485, 0.2426, 0.1583



69.4821, 0.2963, 0.2816



44.3710, 0.2224, 0.2499



13.9627, 0.2931, 0.2733



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.



23.7485, 0.2426, 0.1583



18.7230, 0.2244, 0.1261



33.4451, 0.3077, 0.1864



16.2730, 0.3046, 0.3050



5.2385, 0.1890, 0.0815



0.5197, 0.2029, 0.0891

Inverse Universe

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



32.3669, 0.3871, 0.2441



29.3495, 0.4105, 0.2331



70.3836, 0.3094, 0.5168



16.6416, 0.3204, 0.3155



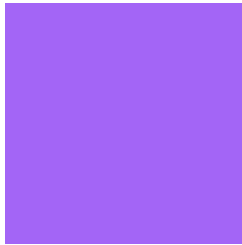
11.5106, 0.4655, 0.2338



1.0322, 0.4423, 0.2210

Previews

White Background



This preview shows how the Yxy color 23.7477, 0.2426, 0.1583 looks on a white background.

Color Contrast Check

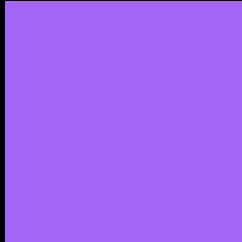
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7477, 0.2426, 0.1583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

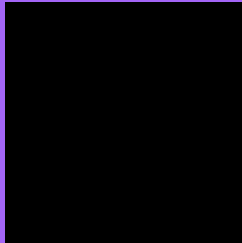
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7477, 0.2426, 0.1583

Background



This preview shows how black text looks on a background with the Yxy color 23.7477, 0.2426, 0.1583.



This preview shows how white text looks on a background with the Yxy color 23.7477, 0.2426, 0.1583.

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

23.7477, 0.2426, 0.1583

Protanopia

24.2094, 0.1868, 0.1614

Deuteranopia

24.1636, 0.1864, 0.1801



Tritanopia

23.6095, 0.3158, 0.3123

Trichromacy



Original Color

23.7477, 0.2426, 0.1583



Protanomaly

22.8746, 0.1992, 0.1554



Deuteranomaly

22.2822, 0.1948, 0.1643



Tritanomaly

22.9324, 0.2849, 0.2392

Monochromacy



Original Color

23.7477, 0.2426, 0.1583



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.4115, 0.2837, 0.2481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7477, 0.2426, 0.1583 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(163, 101, 246)` looks like.

```
.text, #text, p{  
    color:rgb(163, 101, 246)  
}
```

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(163, 101, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 101, 246) }
```

Border

The CSS property to change the border of an element to Yxy 23.7477, 0.2426, 0.1583 is called "border". The border property can be set on classes, ids or directly on the HTML element.

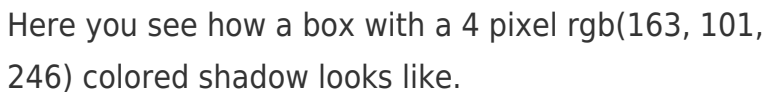
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 101, 246) }
```

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

```
.border{ border-color:rgb(163, 101, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 101, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 101, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 101, 246);  
box-shadow:4px 4px 4px 4px rgb(163, 101,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7477, 0.2426, 0.1583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 101, 246) }
```

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

```
.background{ background-color: rgb(163,  
101, 246) }
```

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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