

Converting Colors

$Y_{xy}(23.8951, 0.2385, 0.1430)$

Have a look what the booklet for
Yxy(23.8951, 0.2385, 0.1430)
contains.

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Color

Yxy(23.3601, 0.2426, 0.1469)

Conversions

Conversions Part 1

Format	Color
Hex	AB5BFF
RGB	171, 91, 255
RGB Percent	67%, 36%, 100%
CMY	0.3296, 0.6430, 0.0000
CMYK	0.33, 0.64, 0.00, 0.00
HSL	269°, 100%, 68%
HSV	269°, 64%, 100%
XYZ	38.5784, 23.3601, 97.0820
YIQ	133.6160, -4.9640, 67.9640

Conversions

Conversions Part 2

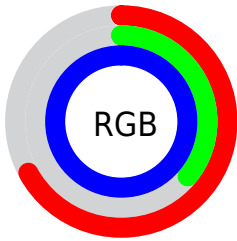
Format	Color
R _Y B	171, 91, 255
Decimal	11230207
CIE Lab	55.44, 62.26, -69.32
CIE LCh	55, 93.180, 311.930
Yxy	23.3601, 0.2426, 0.1469
Android (android.graphics.Color)	4289420287 (0xFFAB5BFF)
YUV	133.6160, 59.8423, 32.7858
Hunter-Lab	48.3323, 57.8954, -85.2594

Details

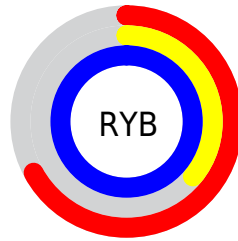
The Yxy color **23.3601, 0.2426, 0.1469** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **81.3973, 0.3471, 0.5105**, and the grayscale version is **23.4729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4597, 0.2974, 0.2163**, and **8.6780, 0.2180, 0.1090** is the 20% darker color. If you saturate the color by 10%, you get **18.3198, 0.2290, 0.1232**, and if you desaturate by 10%, it is **30.0276, 0.2562, 0.1743**.

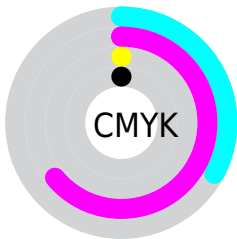
Distribution



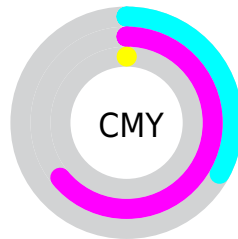
- Red (67%)
- Green (36%)
- Blue (100%)



- Red (67%)
- Yellow (36%)
- Blue (100%)



- Cyan (33%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3601, 0.2426, 0.1469 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 23.3601, 0.2426, 0.1469 by changing the saturation by 10% instead.


 23.3601, 0.2426,
0.1469


 23.3601, 0.2426,
0.1469


269.5692, 0.2825,
0.2298


 14.8596, 0.2319,
0.1295


 48.9839, 0.2578,
0.1747

 8.7209, 0.2182,
0.1092


 66.8761, 0.2633,
0.1858

 4.5596, 0.2000,
0.0858


 88.6676, 0.2679,
0.1956

 1.9913, 0.1755,
0.0594

 114.7428, 0.2718,
0.2041

 0.6024, 0.1424,
0.0305

145.4862, 0.2751,
0.2117

 0.0000, 0.0990,
0.0000

181.2822, 0.2779,

 0.0000, 0.0000,

0.2184

0.0000

222.5150, 0.2804,
0.2244

■ 23.3601, 0.2426,
0.1469

■ 23.3601, 0.2426,
0.1469

■ 18.3198, 0.2290,
0.1232

■ 30.0276, 0.2562,
0.1743

■ 14.7431, 0.2159,
0.1045

■ 38.4590, 0.2693,
0.2039

■ 12.4340, 0.2041,
0.0916

■ 48.7788, 0.2813,
0.2342

■ 11.5276, 0.1980,
0.0864

■ 61.0995, 0.2921,
0.2639

■ 75.5242, 0.3015,
0.2921

 92.1491, 0.3096,
0.3184

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



23.3601, 0.1447, 0.1269



23.3601, 0.2426, 0.1469



23.3601, 0.3996, 0.1969

Triad

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



23.3601, 0.2426, 0.1469



23.3601, 0.5492, 0.4415



23.3601, 0.1100, 0.3316

Complementary

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



23.3601, 0.2426, 0.1469



81.3973, 0.3471, 0.5105

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.



23.3601, 0.1876, 0.5459



23.3601, 0.2426, 0.1469



23.3601, 0.4359, 0.5567

Square

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



23.3601, 0.2426, 0.1469



23.3601, 0.6070, 0.3473



23.3601, 0.3067, 0.6355



23.3601, 0.0857, 0.1939

Rectangle

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



23.3601, 0.2426, 0.1469



23.3601, 0.5112, 0.2435



23.3601, 0.3067, 0.6355



23.3601, 0.1292, 0.4005

Sweetspot

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



23.3609, 0.2426, 0.1469



68.4786, 0.2972, 0.2790



40.3976, 0.2118, 0.2261



13.7892, 0.2945, 0.2709



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.



23.3609, 0.2426, 0.1469



17.2178, 0.2254, 0.1176



35.4527, 0.3170, 0.1812



17.8123, 0.3056, 0.3050



6.1117, 0.1997, 0.0874



0.6598, 0.2120, 0.0942

Inverse Universe

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



31.8453, 0.4102, 0.2478



26.8652, 0.4402, 0.2410



74.6424, 0.3040, 0.5371



18.1425, 0.3213, 0.3169



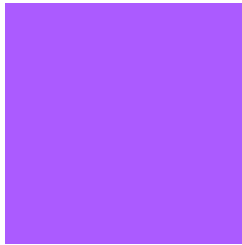
11.9911, 0.4911, 0.2479



1.1896, 0.4664, 0.2343

Previews

White Background



This preview shows how the Yxy color 23.3601, 0.2426, 0.1469 looks on a white background.

Color Contrast Check

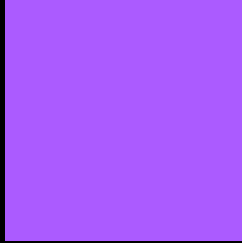
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3601, 0.2426, 0.1469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

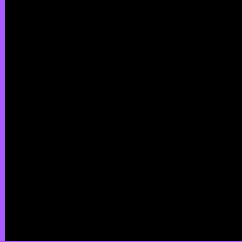
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3601, 0.2426, 0.1469

Background



This preview shows how black text looks on a background with the Yxy color 23.3601, 0.2426, 0.1469.



This preview shows how white text looks on a background with the Yxy color 23.3601, 0.2426, 0.1469.

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

23.3601, 0.2426, 0.1469

Protanopia

23.8201, 0.1853, 0.1596

Deuteranopia

23.5010, 0.1829, 0.1784



Tritanopia

23.2808, 0.3265, 0.3126

Trichromacy



Original Color

23.3601, 0.2426, 0.1469



Protanomaly

22.1341, 0.1971, 0.1488



Deuteranomaly

20.7494, 0.1860, 0.1549



Tritanomaly

22.3978, 0.2901, 0.2324

Monochromacy



Original Color

23.3601, 0.2426, 0.1469



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.3743, 0.2825, 0.2381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3601, 0.2426, 0.1469 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(171, 91, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 91, 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(171, 91, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 91, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.3601, 0.2426, 0.1469 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(171, 91, 255) }
```

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

```
.border{ border-color:rgb(171, 91, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 91, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 91, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 91, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 91,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3601, 0.2426, 0.1469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 91, 255) }
```

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

```
.background{ background-color: rgb(171, 91,  
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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