

Converting Colors

Yxy(23.8047, 0.2387, 0.1498)

Have a look what the booklet for
Yxy(23.8047, 0.2387, 0.1498)
contains.

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Color

Yxy(23.7687, 0.2383, 0.1497)

Conversions

Conversions Part 1

Format	Color
Hex	A561FF
RGB	165, 97, 255
RGB Percent	65%, 38%, 100%
CMY	0.3529, 0.6195, 0.0001
CMYK	0.35, 0.62, 0.00, 0.00
HSL	266°, 100%, 69%
HSV	266°, 62%, 100%
XYZ	37.8362, 23.7687, 97.1706
YIQ	135.3440, -10.1900, 63.5540

Conversions

Conversions Part 2

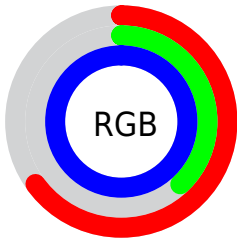
Format	Color
R_{YB}	165, 97, 255
Decimal	10838527
CIE _{Lab}	55.86, 58.09, -68.67
CIE _{LCh}	56, 89.942, 310.231
Yxy	23.7687, 0.2383, 0.1497
Android (android.graphics.Color)	4289028607 (0xFFA561FF)
YUV	135.3440, 58.9904, 26.0083
Hunter-Lab	48.7532, 53.2118, -84.0446

Details

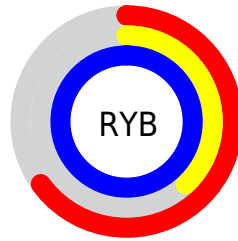
The Yxy color **23.7687, 0.2383, 0.1497** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **82.9232, 0.3527, 0.5009**, and the grayscale version is **24.1447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2005, 0.2917, 0.2202**, and **8.8968, 0.2129, 0.1120** is the 20% darker color. If you saturate the color by 10%, you get **18.3200, 0.2234, 0.1240**, and if you desaturate by 10%, it is **30.9093, 0.2532, 0.1787**.

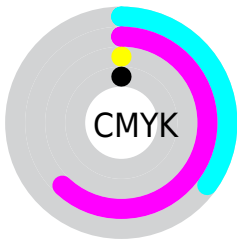
Distribution



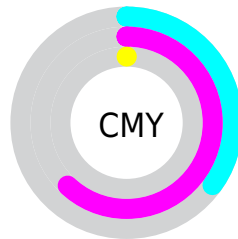
- Red (65%)
- Green (38%)
- Blue (100%)



- Red (65%)
- Yellow (38%)
- Blue (100%)



- Cyan (35%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7687, 0.2383, 0.1497 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 23.7687, 0.2383, 0.1497 by changing the saturation by 10% instead.


 23.7687, 0.2383,
0.1497


 23.7687, 0.2383,
0.1497


271.6490, 0.2800,
0.2318


 15.1621, 0.2273,
0.1324


 49.6525, 0.2541,
0.1773

 8.9333, 0.2131,
0.1121


 67.6985, 0.2598,
0.1883

 4.6977, 0.1945,
0.0886


 89.6598, 0.2647,
0.1979

 2.0710, 0.1697,
0.0619

 115.9207, 0.2687,
0.2064

 0.6482, 0.1363,
0.0329

146.8657, 0.2722,
0.2138

 0.0000, 0.0932,
0.0000

182.8792, 0.2752,

 0.0000, 0.0000,


0.2205


0.0000


224.3455, 0.2777,
0.2264


 23.7687, 0.2383,
0.1497


 23.7687, 0.2383,
0.1497


 18.3200, 0.2234,
0.1240


 30.9093, 0.2532,
0.1787


 14.4040, 0.2093,
0.1033


 39.8759, 0.2674,
0.2095

 11.8330, 0.1965,
0.0886

 50.7918, 0.2804,
0.2404

 10.5159, 0.1876,
0.0807

 63.7682, 0.2921,
0.2703

 78.9080, 0.3024,
0.2984

96.3071, 0.3112,
0.3242

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



23.7687, 0.1456, 0.1317



23.7687, 0.2383, 0.1497



23.7687, 0.3873, 0.1974

Triad

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



23.7687, 0.2383, 0.1497



23.7687, 0.5490, 0.4361



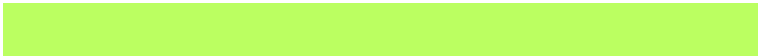
23.7687, 0.1189, 0.3433

Complementary

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



23.7687, 0.2383, 0.1497



82.9232, 0.3527, 0.5009

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.



23.7687, 0.1991, 0.5457



23.7687, 0.2383, 0.1497



23.7687, 0.4422, 0.5453

Square

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



23.7687, 0.2383, 0.1497



23.7687, 0.5984, 0.3453



23.7687, 0.3173, 0.6226



23.7687, 0.0915, 0.2041

Rectangle

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



23.7687, 0.2383, 0.1497



23.7687, 0.4955, 0.2426



23.7687, 0.3173, 0.6226



23.7687, 0.1393, 0.4102

Sweetspot

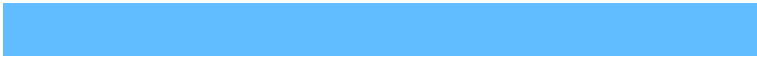
The Sweet Spot groups the original color and five complimentary colors.



23.7695, 0.2383, 0.1497



68.0244, 0.2953, 0.2788



46.2211, 0.2183, 0.2449



13.6799, 0.2922, 0.2705



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.



23.7695, 0.2383, 0.1497



17.4026, 0.2204, 0.1193



34.6126, 0.3072, 0.1806



17.7600, 0.3046, 0.3049



5.5806, 0.1893, 0.0816



0.6064, 0.2019, 0.0886

Inverse Universe

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



33.3930, 0.3935, 0.2412



28.2391, 0.4174, 0.2319



75.6871, 0.3088, 0.5270



18.1605, 0.3205, 0.3155



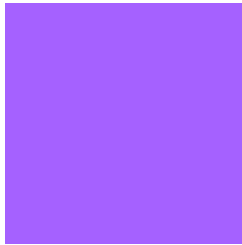
12.2115, 0.4670, 0.2346



1.2109, 0.4457, 0.2229

Previews

White Background



This preview shows how the Yxy color 23.7687, 0.2383, 0.1497 looks on a white background.

Color Contrast Check

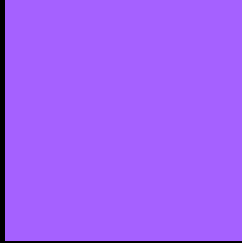
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7687, 0.2383, 0.1497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

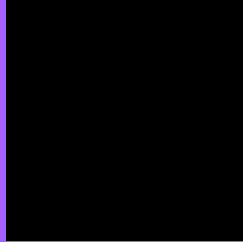
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7687, 0.2383, 0.1497

Background



This preview shows how black text looks on a background with the Yxy color 23.7687, 0.2383, 0.1497.



This preview shows how white text looks on a background with the Yxy color 23.7687, 0.2383, 0.1497.

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

23.7687, 0.2383, 0.1497

Protanopia

24.2094, 0.1868, 0.1614

Deuteranopia

23.8996, 0.1828, 0.1781



Tritanopia

23.6095, 0.3158, 0.3123

Trichromacy



Original Color

23.7687, 0.2383, 0.1497



Protanomaly

22.8295, 0.1979, 0.1522



Deuteranomaly

21.4723, 0.1861, 0.1579



Tritanomaly

22.8183, 0.2820, 0.2340

Monochromacy



Original Color

23.7687, 0.2383, 0.1497



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

23.0404, 0.2808, 0.2411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7687, 0.2383, 0.1497 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(165, 97, 255)` looks like.

```
.text, #text, p{  
  color:rgb(165, 97, 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(165, 97, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 97, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.7687, 0.2383, 0.1497 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(165, 97, 255) }
```

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

```
.border{ border-color:rgb(165, 97, 255) }
```

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

Here you see how a box with a 4 pixel rgb(165, 97, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 97, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 97, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 97,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7687, 0.2383, 0.1497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 97, 255) }
```

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

```
.background{ background-color: rgb(165, 97,  
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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