

Converting Colors

$Y_{xy}(28.1667, 0.2114, 0.1199)$

Have a look what the booklet for
Yxy(28.1667, 0.2114, 0.1199)
contains.

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Color

Yxy(23.5502, 0.2404, 0.1482)

Conversions

Conversions Part 1

Format	Color
Hex	A85EFF
RGB	168, 94, 255
RGB Percent	66%, 37%, 100%
CMY	0.3412, 0.6314, 0.0000
CMYK	0.34, 0.63, 0.00, 0.00
HSL	268°, 100%, 68%
HSV	268°, 63%, 100%
XYZ	38.2015, 23.5502, 97.1565
YIQ	134.4800, -7.5770, 65.7590

Conversions

Conversions Part 2

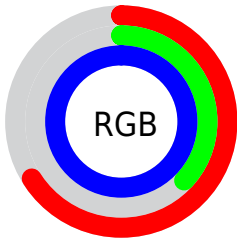
Format	Color
R _{YB}	168, 94, 255
Decimal	11034367
CIE _{Lab}	55.63, 60.22, -69.04
CIE _{LCh}	56, 91.613, 311.099
Y _{xy}	23.5502, 0.2404, 0.1482
Android (android.graphics.Color)	4289224447 (0xFFA85EFF)
YUV	134.4800, 59.4164, 29.3970
Hunter-Lab	48.5285, 55.5897, -84.7315

Details

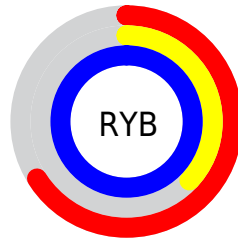
The Yxy color **23.5502, 0.2404, 0.1482** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **82.1535, 0.3499, 0.5057**, and the grayscale version is **23.8046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8938, 0.2949, 0.2183**, and **8.8000, 0.2155, 0.1106** is the 20% darker color. If you saturate the color by 10%, you get **18.3059, 0.2261, 0.1235**, and if you desaturate by 10%, it is **30.4510, 0.2547, 0.1765**.

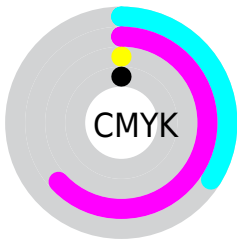
Distribution



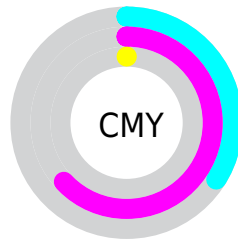
- Red (66%)
- Green (37%)
- Blue (100%)



- Red (66%)
- Yellow (37%)
- Blue (100%)



- Cyan (34%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5502, 0.2404, 0.1482 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 23.5502, 0.2404, 0.1482 by changing the saturation by 10% instead.


 23.5502, 0.2404,
0.1482


 23.5502, 0.2404,
0.1482


270.5385, 0.2812,
0.2307


 15.0003, 0.2296,
0.1308


 49.2952, 0.2559,
0.1759


 8.8196, 0.2156,
0.1106


 67.2591, 0.2615,
0.1870

 4.6237, 0.1972,
0.0871


 89.1297, 0.2663,
0.1967

 2.0282, 0.1725,
0.0606

 115.2915, 0.2702,
0.2052

 0.6238, 0.1393,
0.0316

146.1289, 0.2736,
0.2127

 0.0000, 0.0960,
0.0000

182.0263, 0.2765,

 0.0000, 0.0000,

0.2194

0.0000

223.3680, 0.2790,
0.2254

■ 23.5502, 0.2404,
0.1482

■ 23.5502, 0.2404,
0.1482

■ 18.3059, 0.2261,
0.1235

■ 30.4510, 0.2547,
0.1765

■ 14.5607, 0.2125,
0.1038

■ 39.1476, 0.2683,
0.2066


■ 12.1216, 0.2003,
0.0901

■ 49.7625, 0.2808,
0.2372

■ 11.0149, 0.1928,
0.0836

■ 62.4075, 0.2920,
0.2670

■ 77.1857, 0.3019,
0.2952

 94.1929, 0.3103,
0.3213

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



23.5502, 0.1451, 0.1292



23.5502, 0.2404, 0.1482



23.5502, 0.3935, 0.1971

Triad

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



23.5502, 0.2404, 0.1482



23.5502, 0.5492, 0.4388



23.5502, 0.1142, 0.3374

Complementary

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



23.5502, 0.2404, 0.1482



82.1535, 0.3499, 0.5057

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.



23.5502, 0.1932, 0.5461



23.5502, 0.2404, 0.1482



23.5502, 0.4391, 0.5511

Square

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



23.5502, 0.2404, 0.1482



23.5502, 0.6030, 0.3463



23.5502, 0.3120, 0.6293



23.5502, 0.0885, 0.1988

Rectangle

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



23.5502, 0.2404, 0.1482



23.5502, 0.5035, 0.2430



23.5502, 0.3120, 0.6293



23.5502, 0.1341, 0.4054

Sweetspot

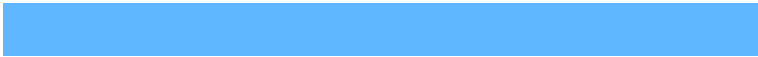
The Sweet Spot groups the original color and five complimentary colors.



23.5497, 0.2404, 0.1482



68.2556, 0.2963, 0.2789



43.2820, 0.2151, 0.2357



13.7355, 0.2934, 0.2707



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.



23.5497, 0.2404, 0.1482



17.0878, 0.2222, 0.1173



34.9910, 0.3120, 0.1808



17.7867, 0.3051, 0.3049



5.8420, 0.1945, 0.0845



0.6329, 0.2070, 0.0914

Inverse Universe

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



32.6027, 0.4017, 0.2444



27.3698, 0.4298, 0.2362



75.1561, 0.3063, 0.5321



18.1513, 0.3209, 0.3162



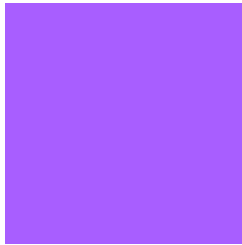
12.0953, 0.4793, 0.2414



1.1998, 0.4562, 0.2287

Previews

White Background



This preview shows how the Yxy color 23.5502, 0.2404, 0.1482 looks on a white background.

Color Contrast Check

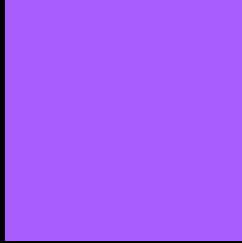
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5502, 0.2404, 0.1482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

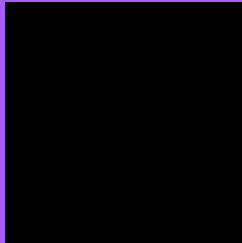
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5502, 0.2404, 0.1482

Background



This preview shows how black text looks on a background with the Yxy color 23.5502, 0.2404, 0.1482.



This preview shows how white text looks on a background with the Yxy color 23.5502, 0.2404, 0.1482.

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

23.5502, 0.2404, 0.1482

Protanopia

23.8812, 0.1858, 0.1598

Deuteranopia

23.8403, 0.1831, 0.1790



Tritanopia

23.2931, 0.3217, 0.3124

Trichromacy



Original Color

23.5502, 0.2404, 0.1482



Protanomaly

22.3634, 0.1974, 0.1499



Deuteranomaly

21.2594, 0.1861, 0.1567



Tritanomaly

22.5993, 0.2860, 0.2331

Monochromacy



Original Color

23.5502, 0.2404, 0.1482



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.5190, 0.2815, 0.2394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5502, 0.2404, 0.1482 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(168, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 94, 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(168, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 94, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.5502, 0.2404, 0.1482 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(168, 94, 255) }
```

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

```
.border{ border-color:rgb(168, 94, 255) }
```

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

Here you see how a box with a 4 pixel rgb(168, 94, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 94,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5502, 0.2404, 0.1482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 94, 255) }
```

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

```
.background{ background-color: rgb(168, 94,  
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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