

Converting Colors

$Y_{xy}(24.9986, 0.2308, 0.1570)$

Have a look what the booklet for
Yxy(24.9986, 0.2308, 0.1570)
contains.

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Color

Yxy(24.9296, 0.2304, 0.1567)

Conversions

Conversions Part 1

Format	Color
Hex	996DFF
RGB	153, 109, 255
RGB Percent	60%, 43%, 100%
CMY	0.4001, 0.5725, 0.0000
CMYK	0.40, 0.57, 0.00, 0.00
HSL	258°, 100%, 71%
HSV	258°, 57%, 100%
XYZ	36.6546, 24.9296, 97.5070
YIQ	138.8000, -20.6420, 54.7340

Conversions

Conversions Part 2

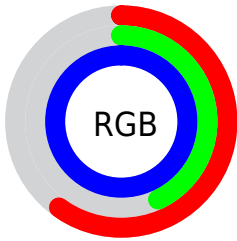
Format	Color
RYB	153, 109, 255
Decimal	10055167
CIELab	57.01, 49.26, -66.90
CIELCh	57, 83.081, 306.363
Yxy	24.9296, 0.2304, 0.1567
Android (android.graphics.Color)	4288245247 (0xFF996DFF)
YUV	138.8000, 57.2866, 12.4534
Hunter-Lab	49.9296, 43.6649, -80.8363

Details

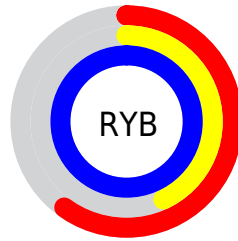
The Yxy color **24.9296, 0.2304, 0.1567** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **86.4776, 0.3641, 0.4815**, and the grayscale version is **25.5186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0577, 0.2824, 0.2286**, and **9.5388, 0.2042, 0.1198** is the 20% darker color. If you saturate the color by 10%, you get **18.6484, 0.2131, 0.1274**, and if you desaturate by 10%, it is **33.0459, 0.2478, 0.1887**.

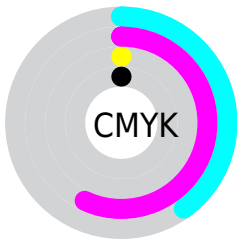
Distribution



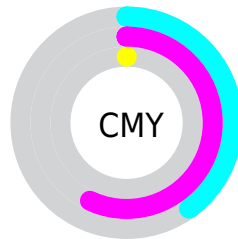
- Red (60%)
- Green (43%)
- Blue (100%)



- Red (60%)
- Yellow (43%)
- Blue (100%)



- Cyan (40%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9296, 0.2304, 0.1567 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 24.9296, 0.2304, 0.1567 by changing the saturation by 10% instead.


 24.9296, 0.2304,
0.1567


 24.9296, 0.2304,
0.1567


277.4872, 0.2753,
0.2364


 16.0246, 0.2188,
0.1396


 51.5430, 0.2471,
0.1837


 9.5416, 0.2041,
0.1195


 70.0202, 0.2533,
0.1944

 5.0961, 0.1849,
0.0959


 92.4569, 0.2585,
0.2037

 2.3037, 0.1596,
0.0688

 119.2375, 0.2629,
0.2119

 0.7757, 0.1260,
0.0393

150.7465, 0.2667,
0.2191

 0.0000, 0.0839,
0.0000

187.3681, 0.2699,

 0.0000, 0.0000,

0.2255

0.0000

229.4869, 0.2728,
0.2312

■ 24.9296, 0.2304,
0.1567

■ 24.9296, 0.2304,
0.1567

■ 18.6484, 0.2131,
0.1274

■ 33.0459, 0.2478,
0.1887

■ 14.0522, 0.1968,
0.1026

■ 43.1341, 0.2644,
0.2214

■ 10.9624, 0.1826,
0.0842

■ 55.3150, 0.2796,
0.2532

■ 9.1524, 0.1713,
0.0727

■ 69.7006, 0.2932,
0.2832

■ 8.7895, 0.1687,
0.0703

■ 86.3944, 0.3051,
0.3107

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.



24.9296, 0.1485, 0.1432



24.9296, 0.2304, 0.1567



24.9296, 0.3624, 0.1991

Triad

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



24.9296, 0.2304, 0.1567



24.9296, 0.5464, 0.4251



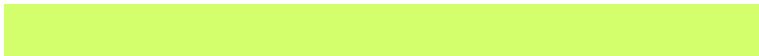
24.9296, 0.1399, 0.3667

Complementary

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



24.9296, 0.2304, 0.1567



86.4776, 0.3641, 0.4815

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.



24.9296, 0.2242, 0.5414



24.9296, 0.2304, 0.1567



24.9296, 0.4543, 0.5225

Square

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



24.9296, 0.2304, 0.1567



24.9296, 0.5764, 0.3401



24.9296, 0.3390, 0.5944



24.9296, 0.1055, 0.2274

Rectangle

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



24.9296, 0.2304, 0.1567



24.9296, 0.4621, 0.2411



24.9296, 0.3390, 0.5944



24.9296, 0.1625, 0.4278

Sweetspot

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



24.9289, 0.2304, 0.1567



70.0925, 0.2935, 0.2839



57.1608, 0.2293, 0.2748



14.3426, 0.2909, 0.2781



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.



24.9289, 0.2304, 0.1567



17.7281, 0.2101, 0.1227



34.2955, 0.2925, 0.1830



17.6429, 0.3026, 0.3048



4.6602, 0.1701, 0.0711



0.5078, 0.1819, 0.0776

Inverse Universe

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



36.9035, 0.3630, 0.2291



31.1238, 0.3777, 0.2149



78.0451, 0.3184, 0.5067



18.2017, 0.3184, 0.3125



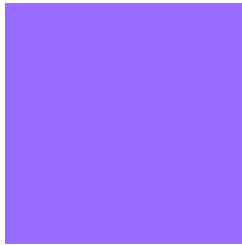
12.8203, 0.4153, 0.2062



1.2676, 0.4019, 0.1988

Previews

White Background



This preview shows how the Yxy color 24.9296, 0.2304, 0.1567 looks on a white background.

Color Contrast Check

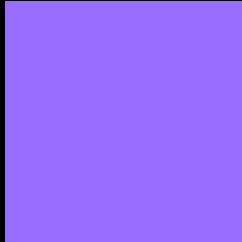
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9296, 0.2304, 0.1567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

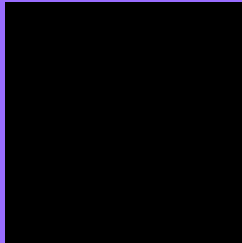
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9296, 0.2304, 0.1567

Background



This preview shows how black text looks on a background with the Yxy color 24.9296, 0.2304, 0.1567.



This preview shows how white text looks on a background with the Yxy color 24.9296, 0.2304, 0.1567.

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

24.9296, 0.2304, 0.1567

Protanopia

25.3347, 0.1906, 0.1663

Deuteranopia

25.1191, 0.1826, 0.1773



Tritanopia

24.9043, 0.2923, 0.3119

Trichromacy



Original Color

24.9296, 0.2304, 0.1567



Protanomaly

24.4020, 0.2005, 0.1598



Deuteranomaly

23.1186, 0.1859, 0.1625



Tritanomaly

24.0850, 0.2656, 0.2380

Monochromacy



Original Color

24.9296, 0.2304, 0.1567



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.7038, 0.2776, 0.2488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9296, 0.2304, 0.1567 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(153, 109, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 109, 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(153, 109, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 109, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.9296, 0.2304, 0.1567 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(153, 109, 255) }
```

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

```
.border{ border-color:rgb(153, 109, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 109, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 109, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 109, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 109,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9296, 0.2304, 0.1567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 109, 255) }
```

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

```
.background{ background-color: rgb(153,  
109, 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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