

# Converting Colors

$Y_{xy}(25.6572, 0.2495, 0.1579)$

Have a look what the booklet for  
Yxy(25.6572, 0.2495, 0.1579)  
contains.

<b>Yxy(25.6172, 0.2493, 0.1574)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(25.6172, 0.2493, 0.1574)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B164FE
RGB	177, 100, 254
RGB Percent	69%, 39%, 100%
CMY	0.3059, 0.6078, 0.0040
CMYK	0.30, 0.61, 0.00, 0.00
HSL	270°, 99%, 69%
HSV	270°, 61%, 100%
XYZ	40.5741, 25.6172, 96.5609
YIQ	140.5790, -3.5420, 64.2180

# Conversions

## Conversions Part 2

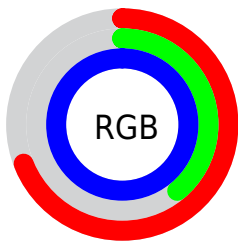
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	177, 100, 254
Decimal	11625726
CIE Lab	57.67, 58.93, -65.13
CIE LCh	58, 87.832, 312.137
Yxy	25.6172, 0.2493, 0.1574
Android (android.graphics.Color)	4289815806 (0xFFB164FE)
YUV	140.5790, 55.9166, 31.9412
Hunter-Lab	50.6134, 54.5205, -77.6847

# Details

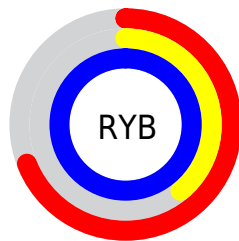
The Yxy color **25.6172, 0.2493, 0.1574** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **81.1444, 0.3453, 0.5015**, and the grayscale version is **26.2433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1641, 0.3016, 0.2262**, and **9.8615, 0.2274, 0.1209** is the 20% darker color. If you saturate the color by 10%, you get **20.0585, 0.2359, 0.1324**, and if you desaturate by 10%, it is **32.8346, 0.2625, 0.1856**.

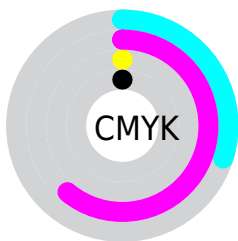
# Distribution



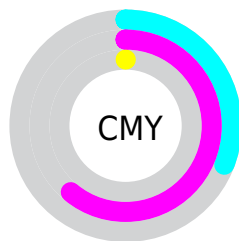
- Red (69%)
- Green (39%)
- Blue (100%)



- Red (69%)
- Yellow (39%)
- Blue (100%)



- Cyan (30%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (61%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.6172, 0.2493, 0.1574 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 25.6172, 0.2493, 0.1574 by changing the saturation by 10% instead.





 25.6172, 0.2493,  
0.1574


 25.6172, 0.2493,  
0.1574


280.8978, 0.2852,  
0.2359


 16.5375, 0.2397,  
0.1407


 52.6567, 0.2630,  
0.1839


 9.9053, 0.2272,  
0.1210


 71.3854, 0.2679,  
0.1944

 5.3362, 0.2106,  
0.0979


 94.0991, 0.2721,  
0.2036

 2.4458, 0.1881,  
0.0712

 121.1823, 0.2756,  
0.2117

 0.8493, 0.1569,  
0.0420

153.0194, 0.2785,  
0.2188

 0.0000, 0.1159,  
0.0000

189.9947, 0.2811,

 0.0000, 0.0277,

0.2251

0.0000

232.4928, 0.2833,  
0.2308

0.0000, 0.0000,  
0.0000

25.6172, 0.2493,  
0.1574

25.6172, 0.2493,  
0.1574

20.0585, 0.2359,  
0.1324

32.8346, 0.2625,  
0.1856

16.0055, 0.2228,  
0.1119

41.8392, 0.2748,  
0.2154

13.2800, 0.2106,  
0.0970

52.7497, 0.2861,  
0.2454

11.6652, 0.2004,  
0.0878

65.6736, 0.2962,  
0.2745

80.7100, 0.3049,  
0.3020

97.9515, 0.3123,  
0.3275

99.9349, 0.3133,  
0.3300

# Harmonies

## Analogous

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



25.6172, 0.1553, 0.1379



25.6172, 0.2493, 0.1574



25.6172, 0.3947, 0.2060

# Triad

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



25.6172, 0.2493, 0.1574



25.6172, 0.5377, 0.4431



25.6172, 0.1228, 0.3328

# Complementary

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



25.6172, 0.2493, 0.1574



81.1444, 0.3453, 0.5015

# 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.



25.6172, 0.1987, 0.5228



25.6172, 0.2493, 0.1574



25.6172, 0.4337, 0.5461

# Square

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



25.6172, 0.2493, 0.1574



25.6172, 0.5875, 0.3532



25.6172, 0.3132, 0.6100



25.6172, 0.0976, 0.2044



# Rectangle

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



25.6172, 0.2493, 0.1574



25.6172, 0.4962, 0.2511



25.6172, 0.3132, 0.6100



25.6172, 0.1420, 0.3944

# Sweetspot

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



25.6181, 0.2493, 0.1574



70.0337, 0.2986, 0.2819



42.3332, 0.2169, 0.2332



14.0967, 0.2959, 0.2737



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.



25.6181, 0.2493, 0.1574



19.1300, 0.2327, 0.1270



36.8597, 0.3169, 0.1873



17.8238, 0.3058, 0.3050



6.2384, 0.2021, 0.0887



0.6723, 0.2143, 0.0954



# Inverse Universe

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



33.3604, 0.4044, 0.2528



28.1042, 0.4340, 0.2445



74.6548, 0.3045, 0.5253



18.1386, 0.3215, 0.3172



11.9467, 0.4964, 0.2508

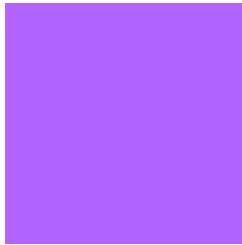


1.1853, 0.4710, 0.2368



# Previews

## White Background



This preview shows how the Yxy color 25.6172, 0.2493, 0.1574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

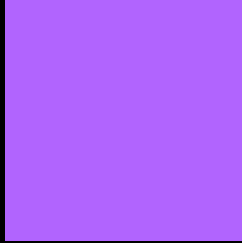
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.6172, 0.2493, 0.1574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

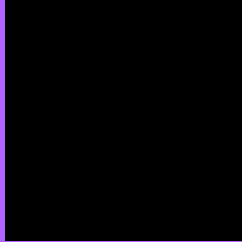
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.6172, 0.2493, 0.1574**

## Background



This preview shows how black text looks on a background with the Yxy color 25.6172, 0.2493, 0.1574.

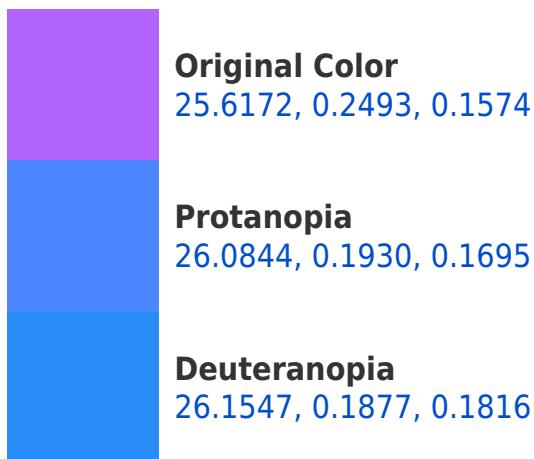


This preview shows how white text looks on a background with the Yxy color 25.6172, 0.2493, 0.1574.

# 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





## Tritanopia

25.5234, 0.3295, 0.3133

# Trichromacy



## Original Color

25.6172, 0.2493, 0.1574



## Protanomaly

24.6498, 0.2064, 0.1599



## Deuteranomaly

23.9349, 0.1979, 0.1646



## Tritanomaly

24.7444, 0.2960, 0.2396

# Monochromacy



## Original Color

25.6172, 0.2493, 0.1574



## Achromatopsia

26.6356, 0.3127, 0.3290



## Achromatomaly

25.1691, 0.2867, 0.2468

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.6172, 0.2493, 0.1574 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(177, 100, 254)` looks like.

```
.text, #text, p{  
    color:rgb(177, 100, 254)  
}
```

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(177, 100, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 100, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 25.6172, 0.2493, 0.1574 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(177, 100, 254) }
```

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

```
.border{ border-color:rgb(177, 100, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 100, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 100, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 100, 254);  
box-shadow:4px 4px 4px 4px rgb(177, 100,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.6172, 0.2493, 0.1574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 100, 254) }
```

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

```
.background{ background-color: rgb(177,  
100, 254) }
```

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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