

Converting Colors

$Y_{xy}(25.2787, 0.2477, 0.1583)$

Have a look what the booklet for
Yxy(25.2787, 0.2477, 0.1583)
contains.

Yxy(25.2199, 0.2473, 0.1581)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.2199, 0.2473, 0.1581)

Conversions

Conversions Part 1

Format	Color
Hex	AD65FC
RGB	173, 101, 252
RGB Percent	68%, 40%, 99%
CMY	0.3216, 0.6038, 0.0119
CMYK	0.31, 0.60, 0.00, 0.01
HSL	269°, 96%, 69%
HSV	269°, 60%, 99%
XYZ	39.4490, 25.2199, 94.8498
YIQ	139.7420, -5.5590, 62.2250

Conversions

Conversions Part 2

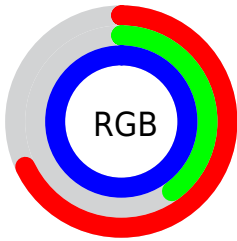
Format	Color
RYB	173, 101, 252
Decimal	11363836
CIELab	57.29, 57.06, -64.65
CIELCh	57, 86.232, 311.434
Yxy	25.2199, 0.2473, 0.1581
Android (android.graphics.Color)	4289553916 (0xFFAD65FC)
YUV	139.7420, 55.3432, 29.1673
Hunter-Lab	50.2194, 52.3335, -76.8279

Details

The Yxy color **25.2199, 0.2473, 0.1581** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **80.2396, 0.3475, 0.4982**, and the grayscale version is **25.9063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8185, 0.2983, 0.2262**, and **9.6538, 0.2248, 0.1215** is the 20% darker color. If you saturate the color by 10%, you get **19.6243, 0.2334, 0.1324**, and if you desaturate by 10%, it is **32.4649, 0.2610, 0.1869**.

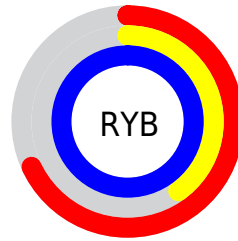
Distribution



Red (68%)

Green (40%)

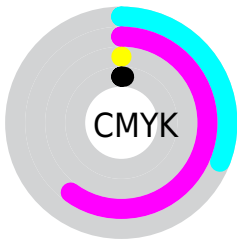
Blue (99%)



Red (68%)

Yellow (40%)

Blue (99%)

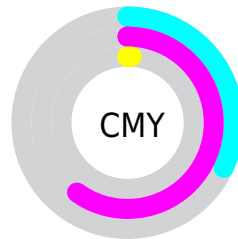


Cyan (31%)

Magenta (60%)

Yellow (0%)

Black (1%)



Cyan (32%)


Magenta (60%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2199, 0.2473, 0.1581 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 25.2199, 0.2473, 0.1581 by changing the saturation by 10% instead.


 25.2199, 0.2473,
0.1581

 25.2199, 0.2473,
0.1581


278.9313, 0.2842,
0.2367


 16.2410, 0.2374,
0.1413


 52.0137, 0.2613,
0.1847


 9.6948, 0.2246,
0.1215


 70.5974, 0.2665,
0.1952

 5.1971, 0.2076,
0.0981


 93.1515, 0.2707,
0.2044

 2.3634, 0.1845,
0.0711

 120.0603, 0.2743,
0.2125

 0.8069, 0.1527,
0.0415

151.7083, 0.2773,
0.2196

 0.0000, 0.1106,
0.0000

188.4799, 0.2800,


 0.0000, 0.0116,


0.2259


0.0000


230.7594, 0.2822,
0.2316


 0.0000, 0.0000,
0.0000


 25.2199, 0.2473,
0.1581


 25.2199, 0.2473,
0.1581


 19.6243, 0.2334,
0.1324


 32.4649, 0.2610,
0.1869


 15.5290, 0.2198,
0.1112


 41.4848, 0.2739,
0.2170


 12.7614, 0.2072,
0.0956

 52.3955, 0.2856,
0.2473

 11.0415, 0.1961,
0.0854

 65.3024, 0.2960,
0.2765

 11.0269, 0.1960,
0.0853

 80.3027, 0.3051,
0.3039

97.4872, 0.3128,
0.3292

99.8057, 0.3145,
0.3319

Harmonies

Analogous

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



25.2199, 0.1552, 0.1394



25.2199, 0.2473, 0.1581



25.2199, 0.3901, 0.2058

Triad

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



25.2199, 0.2473, 0.1581



25.2199, 0.5380, 0.4408



25.2199, 0.1259, 0.3371

Complementary

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



25.2199, 0.2473, 0.1581



80.2396, 0.3475, 0.4982

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.



25.2199, 0.2027, 0.5238



25.2199, 0.2473, 0.1581



25.2199, 0.4362, 0.5423

Square

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



25.2199, 0.2473, 0.1581



25.2199, 0.5848, 0.3520



25.2199, 0.3169, 0.6062



25.2199, 0.0994, 0.2080

Rectangle

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



25.2199, 0.2473, 0.1581



25.2199, 0.4908, 0.2504



25.2199, 0.3169, 0.6062



25.2199, 0.1455, 0.3983

Sweetspot

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



25.2208, 0.2473, 0.1581



69.8559, 0.2978, 0.2818



43.0559, 0.2187, 0.2380



14.0535, 0.2950, 0.2736



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.



25.2208, 0.2473, 0.1581



19.1409, 0.2304, 0.1274



36.0999, 0.3146, 0.1875



17.0488, 0.3054, 0.3050



5.8326, 0.1977, 0.0863



0.6029, 0.2108, 0.0935

Inverse Universe

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



33.2965, 0.3983, 0.2501



28.6251, 0.4254, 0.2409



73.6032, 0.3058, 0.5222



17.3770, 0.3212, 0.3167



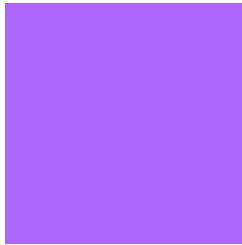
11.6764, 0.4864, 0.2453



1.1029, 0.4611, 0.2314

Previews

White Background



This preview shows how the Yxy color 25.2199, 0.2473, 0.1581 looks on a white background.

Color Contrast Check

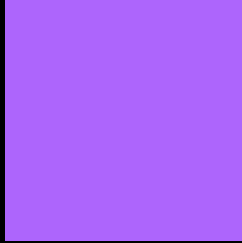
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2199, 0.2473, 0.1581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

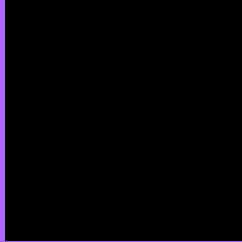
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2199, 0.2473, 0.1581

Background



This preview shows how black text looks on a background with the Yxy color 25.2199, 0.2473, 0.1581.

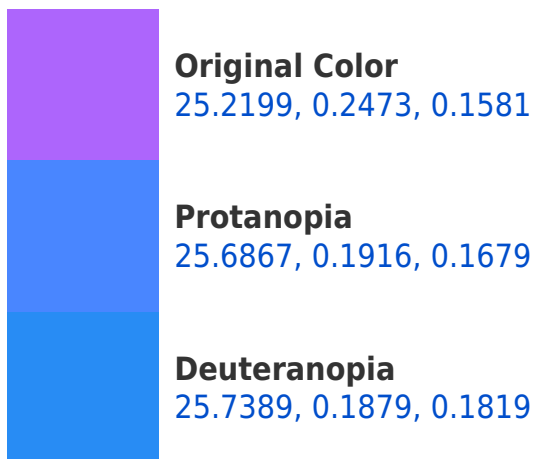


This preview shows how white text looks on a background with the Yxy color 25.2199, 0.2473, 0.1581.

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

25.1309, 0.3249, 0.3130

Trichromacy



Original Color

25.2199, 0.2473, 0.1581



Protanomaly

24.3260, 0.2046, 0.1597



Deuteranomaly

23.7118, 0.1976, 0.1657



Tritanomaly

24.5257, 0.2927, 0.2411

Monochromacy



Original Color

25.2199, 0.2473, 0.1581



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.9333, 0.2855, 0.2476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2199, 0.2473, 0.1581 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(173, 101, 252)` looks like.

```
.text, #text, p{  
    color:rgb(173, 101, 252)  
}
```

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(173, 101, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 101, 252) }
```

Border

The CSS property to change the border of an element to Yxy 25.2199, 0.2473, 0.1581 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(173, 101, 252) }
```

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

```
.border{ border-color:rgb(173, 101, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 101, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 101, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 101, 252);  
box-shadow:4px 4px 4px 4px rgb(173, 101,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2199, 0.2473, 0.1581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 101, 252) }
```

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

```
.background{ background-color: rgb(173,  
101, 252) }
```

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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