

Converting Colors

$Y_{xy}(45.5532, 0.2521, 0.2328)$

Have a look what the booklet for
Yxy(45.5532, 0.2521, 0.2328)
contains.

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Color

Yxy(45.5422, 0.2522, 0.2327)

Conversions

Conversions Part 1

Format	Color
Hex	A9ADFF
RGB	169, 173, 255
RGB Percent	66%, 68%, 100%
CMY	0.3372, 0.3216, 0.0000
CMYK	0.34, 0.32, 0.00, 0.00
HSL	237°, 100%, 83%
HSV	237°, 34%, 100%
XYZ	49.3586, 45.5422, 100.8113
YIQ	181.1520, -28.7060, 24.6540

Conversions

Conversions Part 2

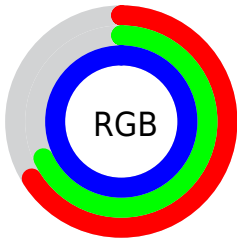
Format	Color
RYB	169, 173, 255
Decimal	11120127
CIELab	73.25, 17.21, -41.06
CIELCh	73, 44.515, 292.739
Yxy	45.5422, 0.2522, 0.2327
Android (android.graphics.Color)	4289310207 (0xFFA9ADFF)
YUV	181.1520, 36.4071, -10.6573
Hunter-Lab	67.4850, 12.4564, -41.3299

Details

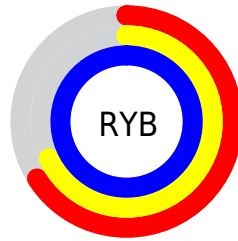
The Yxy color **45.5422, 0.2522, 0.2327** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.1243, 0.3649, 0.4099**, and the grayscale version is **46.1065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8756, 0.2947, 0.3013**, and **21.3294, 0.2360, 0.2100** is the 20% darker color. If you saturate the color by 10%, you get **34.4998, 0.2311, 0.1985**, and if you desaturate by 10%, it is **58.8326, 0.2723, 0.2649**.

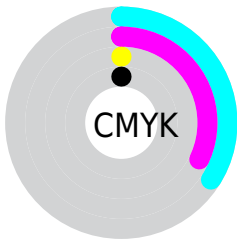
Distribution



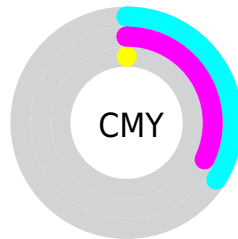
- Red (66%)
- Green (68%)
- Blue (100%)



- Red (66%)
- Yellow (68%)
- Blue (100%)



- Cyan (34%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5422, 0.2522, 0.2327 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 45.5422, 0.2522, 0.2327 by changing the saturation by 10% instead.

■ 45.5422, 0.2522,
0.2327

■ 45.5422, 0.2522,
0.2327

368.9651, 0.2822,
0.2779

■ 31.8847, 0.2450,
0.2224

■ 83.5334, 0.2629,
0.2484

■ 21.2735, 0.2359,
0.2098

108.6360, 0.2670,
0.2545

■ 13.3240, 0.2242,
0.1940

138.3223, 0.2705,
0.2598

■ 7.6521, 0.2086,
0.1737

172.9769, 0.2735,
0.2643

■ 3.8731, 0.1873,
0.1473

212.9841, 0.2761,
0.2684

■ 1.6028, 0.1568,
0.1124

258.7282, 0.2784,

■ 0.3595, 0.1139,


0.2719


0.0537


310.5937, 0.2804,
0.2751

 0.0000, 0.0000,
0.0000


 45.5422, 0.2522,
0.2327


 45.5422, 0.2522,
0.2327


 34.4998, 0.2311,
0.1985

 58.8326, 0.2723,
0.2649


 25.5795, 0.2099,
0.1638


 74.4841, 0.2907,
0.2942

 18.6456, 0.1900,
0.1308

 92.6039, 0.3071,
0.3202

 13.5459, 0.1731,
0.1022

 100.0000, 0.3127,
0.3290

 10.1063, 0.1605,
0.0803

■ 8.1188, 0.1530,
0.0666

■ 7.4790, 0.1506,
0.0619

Harmonies

Analogous

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



45.5422, 0.2150, 0.2364



45.5422, 0.2522, 0.2327



45.5422, 0.3091, 0.2497

Triad

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



45.5422, 0.2522, 0.2327



45.5422, 0.4376, 0.3758



45.5422, 0.2504, 0.3798

Complementary

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



45.5422, 0.2522, 0.2327



93.1243, 0.3649, 0.4099

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.



45.5422, 0.3063, 0.4306



45.5422, 0.2522, 0.2327



45.5422, 0.4158, 0.4188

Square

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



45.5422, 0.2522, 0.2327



45.5422, 0.4223, 0.3277



45.5422, 0.3670, 0.4429



45.5422, 0.2135, 0.3151

Rectangle

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



45.5422, 0.2522, 0.2327



45.5422, 0.3522, 0.2706



45.5422, 0.3670, 0.4429



45.5422, 0.2675, 0.3999

Sweetspot

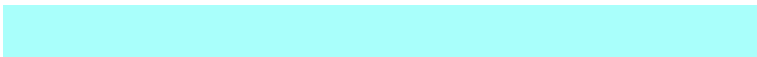
The Sweet Spot groups the original color and five complimentary colors.



45.5428, 0.2522, 0.2327



80.9353, 0.2970, 0.3043



86.9020, 0.2667, 0.3336



16.7935, 0.2947, 0.3005



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.



45.5428, 0.2522, 0.2327



38.3557, 0.2390, 0.2114



48.9658, 0.2795, 0.2353



17.5129, 0.2978, 0.3056



3.9653, 0.1508, 0.0628



0.4316, 0.1526, 0.0693

Inverse Universe

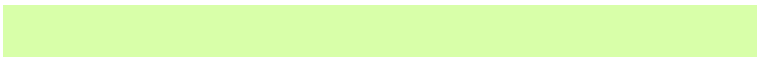
The Inverse Universe completely reimagines the original color for something new.



52.6559, 0.3887, 0.3250



46.5020, 0.4099, 0.3243



89.0300, 0.3375, 0.4213



18.0007, 0.3287, 0.3279



11.1283, 0.6354, 0.3274



1.0881, 0.6244, 0.3214

Previews

White Background



This preview shows how the Yxy color 45.5422, 0.2522, 0.2327 looks on a white background.

Color Contrast Check

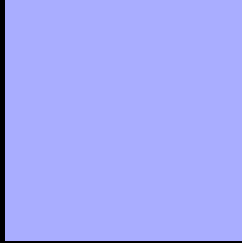
Large Text (above 18pt) WCAG AA × Fail

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 45.5422, 0.2522, 0.2327 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 ✓ Pass

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

Yxy 45.5422, 0.2522, 0.2327

Background



This preview shows how black text looks on a background with the Yxy color 45.5422, 0.2522, 0.2327.

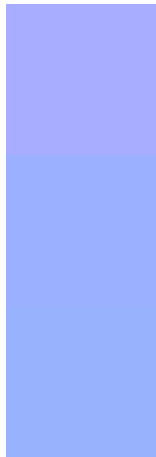


This preview shows how white text looks on a background with the Yxy color 45.5422, 0.2522, 0.2327.

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

45.5422, 0.2522, 0.2327

Protanopia

45.6328, 0.2440, 0.2354

Deuteranopia

45.7689, 0.2434, 0.2373



Tritanopia

45.5726, 0.2802, 0.3088

Trichromacy



Original Color

45.5422, 0.2522, 0.2327

Protanomaly

45.7443, 0.2469, 0.2349

Deuteranomaly

45.5774, 0.2468, 0.2357

Tritanomaly

45.3341, 0.2694, 0.2788

Monochromacy



Original Color

45.5422, 0.2522, 0.2327

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.7420, 0.2889, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5422, 0.2522, 0.2327 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(169, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 173, 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(169, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 173, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.5422, 0.2522, 0.2327 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(169, 173, 255) }
```

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

```
.border{ border-color:rgb(169, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 173,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5422, 0.2522, 0.2327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 173, 255) }
```

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

```
.background{ background-color: rgb(169,  
173, 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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