

Converting Colors

$Y_{xy}(44.3392, 0.2555, 0.2278)$

Have a look what the booklet for
Yxy(44.3392, 0.2555, 0.2278)
contains.

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Color

Yxy(44.3392, 0.2555, 0.2278)

Conversions

Conversions Part 1

Format	Color
Hex	AFA8FF
RGB	175, 168, 255
RGB Percent	69%, 66%, 100%
CMY	0.3138, 0.3411, 0.0000
CMYK	0.31, 0.34, 0.00, 0.00
HSL	245°, 100%, 83%
HSV	245°, 34%, 100%
XYZ	49.7308, 44.3392, 100.5710
YIQ	180.0110, -23.7550, 28.5410

Conversions

Conversions Part 2

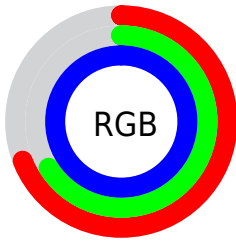
Format	Color
R_{YB}	175, 168, 255
Decimal	11512063
CIE _{Lab}	72.45, 21.63, -42.27
CIE _{LCh}	72, 47.481, 297.102
Yxy	44.3392, 0.2555, 0.2278
Android (android.graphics.Color)	4289702143 (0xFFAFA8FF)
YUV	180.0110, 36.9696, -4.3946
Hunter-Lab	66.5877, 16.7836, -42.9375

Details

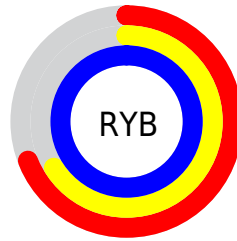
The Yxy color **44.3392, 0.2555, 0.2278** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **94.3101, 0.3595, 0.4158**, and the grayscale version is **45.4530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1512, 0.2986, 0.2964**, and **20.5611, 0.2398, 0.2038** is the 20% darker color. If you saturate the color by 10%, you get **33.3461, 0.2351, 0.1929**, and if you desaturate by 10%, it is **57.6491, 0.2746, 0.2611**.

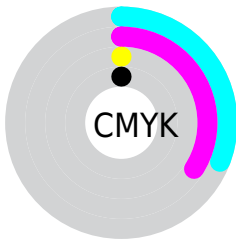
Distribution



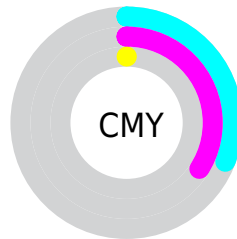
- Red (69%)
- Green (66%)
- Blue (100%)



- Red (69%)
- Yellow (66%)
- Blue (100%)



- Cyan (31%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3392, 0.2555, 0.2278 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 44.3392, 0.2555, 0.2278 by changing the saturation by 10% instead.


 44.3392, 0.2555,
0.2278

 44.3392, 0.2555,
0.2278

364.0907, 0.2842,
0.2751

 30.9373, 0.2485,
0.2171


 81.7279, 0.2658,
0.2442

 20.5511, 0.2397,
0.2040


 106.4835, 0.2697,
0.2506

 12.7963, 0.2283,
0.1876


135.7924, 0.2731,
0.2561

 7.2884, 0.2130,
0.1668


170.0390, 0.2759,
0.2609

 3.6431, 0.1920,
0.1398

209.6078, 0.2784,
0.2651

 1.4760, 0.1617,
0.1045

254.8830, 0.2805,

 0.2717, 0.1193,

0.2688

0.0412

306.2492, 0.2825,
0.2721


 0.0000, 0.0000,
0.0000

 44.3392, 0.2555,
0.2278


 44.3392, 0.2555,
0.2278

 33.3461, 0.2351,
0.1929


 57.6491, 0.2746,
0.2611


 24.5379, 0.2144,
0.1579


 73.3990, 0.2918,
0.2915

 17.7683, 0.1945,
0.1252

 91.7022, 0.3070,
0.3188

 12.8729, 0.1771,
0.0974

 100.0000, 0.3127,
0.3290

 9.6621, 0.1636,
0.0769

■ 7.9058, 0.1549,
0.0648

■ 7.3732, 0.1519,
0.0610

Harmonies

Analogous

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



44.3392, 0.2127, 0.2280



44.3392, 0.2555, 0.2278



44.3392, 0.3186, 0.2487

Triad

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



44.3392, 0.2555, 0.2278



44.3392, 0.4457, 0.3853



44.3392, 0.2384, 0.3736

Complementary

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



44.3392, 0.2555, 0.2278



94.3101, 0.3595, 0.4158

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.



44.3392, 0.2958, 0.4335



44.3392, 0.2555, 0.2278



44.3392, 0.4166, 0.4302

Square

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



44.3392, 0.2555, 0.2278



44.3392, 0.4356, 0.3343



44.3392, 0.3611, 0.4527



44.3392, 0.2031, 0.3040

Rectangle

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



44.3392, 0.2555, 0.2278



44.3392, 0.3650, 0.2723



44.3392, 0.3611, 0.4527



44.3392, 0.2556, 0.3965

Sweetspot

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



44.3389, 0.2555, 0.2278



80.6150, 0.2983, 0.3031



83.4210, 0.2634, 0.3225



16.7169, 0.2961, 0.2992



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.



44.3389, 0.2555, 0.2278



36.5293, 0.2416, 0.2038



50.0262, 0.2868, 0.2361



17.4472, 0.2991, 0.3045



3.8768, 0.1525, 0.0614



0.4003, 0.1579, 0.0643

Inverse Universe

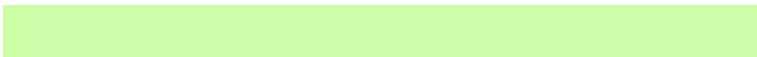
The Inverse Universe completely reimagines the original color for something new.



56.0474, 0.3222, 0.2501



49.9090, 0.3244, 0.2348



87.4269, 0.3311, 0.4245



18.2738, 0.3150, 0.3074



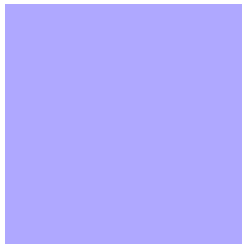
14.2408, 0.3422, 0.1659



1.3937, 0.3395, 0.1644

Previews

White Background



This preview shows how the Yxy color 44.3392, 0.2555, 0.2278 looks on a white background.

Color Contrast Check

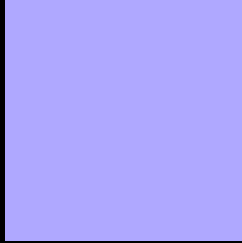
Large Text (above 18pt) WCAG AA × Fail

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 44.3392, 0.2555, 0.2278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

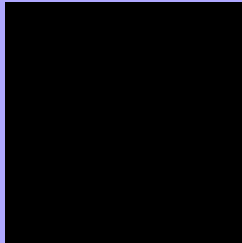
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.3392, 0.2555, 0.2278

Background



This preview shows how black text looks on a background with the Yxy color 44.3392, 0.2555, 0.2278.



This preview shows how white text looks on a background with the Yxy color 44.3392, 0.2555, 0.2278.

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

44.3392, 0.2555, 0.2278

Protanopia

44.5553, 0.2417, 0.2325

Deuteranopia

44.5321, 0.2411, 0.2352



Tritanopia

44.2189, 0.2872, 0.3101

Trichromacy



Original Color

44.3392, 0.2555, 0.2278

Protanomaly

44.1986, 0.2462, 0.2300

Deuteranomaly

44.3120, 0.2456, 0.2319

Tritanomaly

44.2240, 0.2754, 0.2777

Monochromacy



Original Color

44.3392, 0.2555, 0.2278

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.0206, 0.2903, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3392, 0.2555, 0.2278 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(175, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 168, 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(175, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 168, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.3392, 0.2555, 0.2278 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(175, 168, 255) }
```

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

```
.border{ border-color:rgb(175, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 168,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3392, 0.2555, 0.2278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 168, 255) }
```

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

```
.background{ background-color: rgb(175,  
168, 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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