

Converting Colors

$Y_{xy}(45.9880, 0.2221, 0.1742)$

Have a look what the booklet for
Yxy(45.9880, 0.2221, 0.1742)
contains.

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Color

Yxy(41.4957, 0.2505, 0.2196)

Conversions

Conversions Part 1

Format	Color
Hex	A9A2FF
RGB	169, 162, 255
RGB Percent	66%, 64%, 100%
CMY	0.3372, 0.3647, 0.0000
CMYK	0.34, 0.36, 0.00, 0.00
HSL	245°, 100%, 82%
HSV	245°, 36%, 100%
XYZ	47.3346, 41.4957, 100.1301
YIQ	174.6950, -25.6810, 30.4070

Conversions

Conversions Part 2

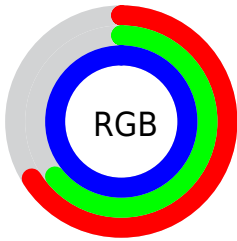
Format	Color
R_{YB}	169, 162, 255
Decimal	11117311
CIE _{Lab}	70.52, 23.38, -45.31
CIE _{LCh}	71, 50.993, 297.296
Yxy	41.4957, 0.2505, 0.2196
Android (android.graphics.Color)	4289307391 (0xFFA9A2FF)
YUV	174.6950, 39.5904, -4.9945
Hunter-Lab	64.4172, 18.4341, -47.0684

Details

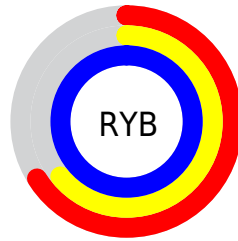
The Yxy color **41.4957, 0.2505, 0.2196** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **94.0833, 0.3629, 0.4216**, and the grayscale version is **42.5067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0145, 0.2945, 0.2897**, and **18.8065, 0.2332, 0.1931** is the 20% darker color. If you saturate the color by 10%, you get **31.0284, 0.2299, 0.1844**, and if you desaturate by 10%, it is **54.2564, 0.2700, 0.2534**.

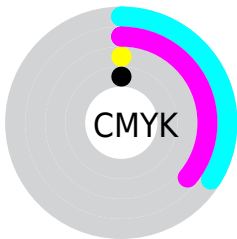
Distribution



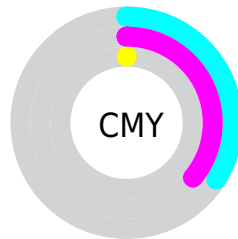
- Red (66%)
- Green (64%)
- Blue (100%)



- Red (66%)
- Yellow (64%)
- Blue (100%)



- Cyan (34%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4957, 0.2505, 0.2196 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 41.4957, 0.2505, 0.2196 by changing the saturation by 10% instead.

41.4957, 0.2505,
0.2196

41.4957, 0.2505,
0.2196

352.3881, 0.2819,
0.2709

28.7066, 0.2428,
0.2080

77.4358, 0.2618,
0.2373

18.8590, 0.2331,
0.1938

101.3556, 0.2661,
0.2443

11.5684, 0.2205,
0.1762

129.7545, 0.2698,
0.2502

6.4505, 0.2037,
0.1539

163.0168, 0.2729,
0.2554

3.1209, 0.1805,
0.1254

201.5269, 0.2756,
0.2600

1.1952, 0.1476,
0.0889

245.6692, 0.2780,

0.0578, 0.1017,

0.2640

0.0094

295.8282, 0.2801,
0.2676

0.0000, 0.0000,
0.0000

41.4957, 0.2505,
0.2196

41.4957, 0.2505,
0.2196

31.0284, 0.2299,
0.1844

54.2564, 0.2700,
0.2534

22.7157, 0.2091,
0.1497

69.4325, 0.2878,
0.2846

16.4080, 0.1897,
0.1179

87.1409, 0.3036,
0.3126

11.9354, 0.1731,
0.0917

100.0000, 0.3127,
0.3290

9.0997, 0.1608,
0.0731

■ 7.6558, 0.1534,
0.0631

■ 7.3607, 0.1517,
0.0610

Harmonies

Analogous

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



41.4957, 0.2044, 0.2193



41.4957, 0.2505, 0.2196



41.4957, 0.3192, 0.2422

Triad

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



41.4957, 0.2505, 0.2196



41.4957, 0.4579, 0.3890



41.4957, 0.2310, 0.3775

Complementary

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



41.4957, 0.2505, 0.2196



94.0833, 0.3629, 0.4216

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.



41.4957, 0.2929, 0.4447



41.4957, 0.2505, 0.2196



41.4957, 0.4250, 0.4386

Square

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



41.4957, 0.2505, 0.2196



41.4957, 0.4479, 0.3340



41.4957, 0.3640, 0.4651



41.4957, 0.1935, 0.3003

Rectangle

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



41.4957, 0.2505, 0.2196



41.4957, 0.3703, 0.2676



41.4957, 0.3640, 0.4651



41.4957, 0.2495, 0.4032

Sweetspot

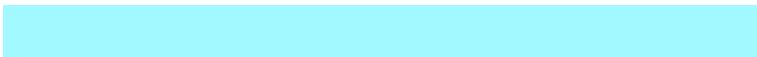
The Sweet Spot groups the original color and five complimentary colors.



41.4966, 0.2505, 0.2196



78.7994, 0.2967, 0.3004



82.5291, 0.2605, 0.3220



16.3541, 0.2945, 0.2965



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.



41.4966, 0.2505, 0.2196



33.4088, 0.2350, 0.1931



47.4623, 0.2845, 0.2292



17.4431, 0.2990, 0.3045



3.8693, 0.1523, 0.0613



0.3983, 0.1574, 0.0641

Inverse Universe

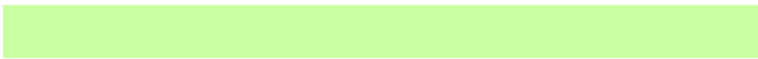
The Inverse Universe completely reimagines the original color for something new.



53.8773, 0.3226, 0.2444



47.5322, 0.3249, 0.2280



86.7271, 0.3322, 0.4318



18.2754, 0.3150, 0.3073



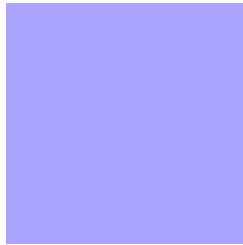
14.2766, 0.3408, 0.1651



1.3968, 0.3383, 0.1637

Previews

White Background



This preview shows how the Yxy color 41.4957, 0.2505, 0.2196 looks on a white background.

Color Contrast Check

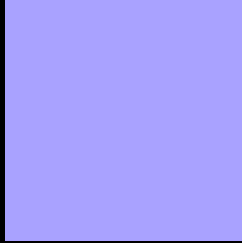
Large Text (above 18pt) WCAG AA × Fail

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 41.4957, 0.2505, 0.2196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

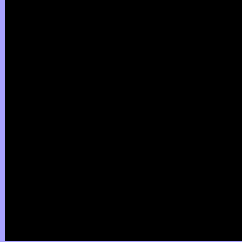
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.4957, 0.2505, 0.2196

Background



This preview shows how black text looks on a background with the Yxy color 41.4957, 0.2505, 0.2196.



This preview shows how white text looks on a background with the Yxy color 41.4957, 0.2505, 0.2196.

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

41.4957, 0.2505, 0.2196

Protanopia

41.8091, 0.2353, 0.2249

Deuteranopia

41.6209, 0.2336, 0.2273



Tritanopia

41.3026, 0.2850, 0.3095

Trichromacy



Original Color

41.4957, 0.2505, 0.2196

Protanomaly

41.5328, 0.2402, 0.2226

Deuteranomaly

41.5506, 0.2390, 0.2242

Tritanomaly

41.0271, 0.2714, 0.2724

Monochromacy



Original Color

41.4957, 0.2505, 0.2196

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.9933, 0.2882, 0.2847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4957, 0.2505, 0.2196 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, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 162, 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, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 162, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.4957, 0.2505, 0.2196 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, 162, 255) }
```

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

```
.border{ border-color:rgb(169, 162, 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, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 162,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4957, 0.2505, 0.2196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 162, 255) }
```

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

```
.background{ background-color: rgb(169,  
162, 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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