

Converting Colors

$Y_{xy}(42.0359, 0.2494, 0.2105)$

Have a look what the booklet for
Yxy(42.0359, 0.2494, 0.2105)
contains.

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Color

Yxy(41.4756, 0.2544, 0.2185)

Conversions

Conversions Part 1

Format	Color
Hex	AFA0FF
RGB	175, 160, 255
RGB Percent	69%, 63%, 100%
CMY	0.3139, 0.3725, 0.0001
CMYK	0.31, 0.37, 0.00, 0.00
HSL	249°, 100%, 81%
HSV	249°, 37%, 100%
XYZ	48.2901, 41.4756, 100.0540
YIQ	175.3150, -21.5550, 32.7250

Conversions

Conversions Part 2

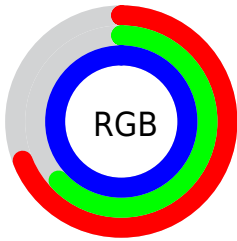
Format	Color
R _Y B	175, 160, 255
Decimal	11510015
CIE _{Lab}	70.51, 26.09, -45.29
CIE _{LCh}	71, 52.269, 299.949
Y _{xy}	41.4756, 0.2544, 0.2185
Android (android.graphics.Color)	4289700095 (0xFFAFA0FF)
Y _{UV}	175.3150, 39.2847, -0.2763
Hunter-Lab	64.4016, 21.1417, -47.0316

Details

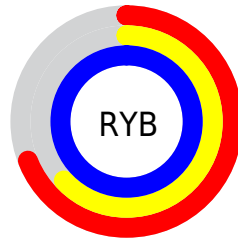
The Yxy color **41.4756, 0.2544, 0.2185** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.5824, 0.3586, 0.4254**, and the grayscale version is **42.8409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9767, 0.2986, 0.2881**, and **18.7954, 0.2380, 0.1919** is the 20% darker color. If you saturate the color by 10%, you get **31.2323, 0.2351, 0.1841**, and if you desaturate by 10%, it is **53.9306, 0.2725, 0.2517**.

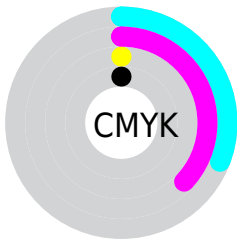
Distribution



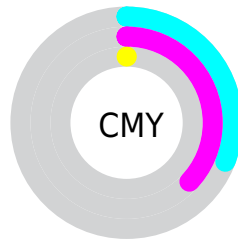
- Red (69%)
- Green (63%)
- Blue (100%)



- Red (69%)
- Yellow (63%)
- Blue (100%)



- Cyan (31%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4756, 0.2544, 0.2185 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 41.4756, 0.2544, 0.2185 by changing the saturation by 10% instead.

 41.4756, 0.2544,
0.2185

 41.4756, 0.2544,
0.2185


352.3045, 0.2840,
0.2701

 28.6909, 0.2471,
0.2069


 77.4053, 0.2651,
0.2363

 18.8471, 0.2378,
0.1927


 101.3192, 0.2692,
0.2433

 11.5599, 0.2258,
0.1751


129.7115, 0.2726,
0.2493

 6.4447, 0.2097,
0.1528

162.9667, 0.2756,
0.2545

 3.1173, 0.1873,
0.1244

201.4693, 0.2781,
0.2591

 1.1933, 0.1552,
0.0881

245.6034, 0.2803,

 0.0562, 0.1112,

0.2632

0.0091

295.7537, 0.2823,
0.2668

0.0000, 0.0000,
0.0000

41.4756, 0.2544,
0.2185

41.4756, 0.2544,
0.2185

31.2323, 0.2351,
0.1841

53.9306, 0.2725,
0.2517

23.0656, 0.2153,
0.1504

68.7120, 0.2889,
0.2826

16.8331, 0.1964,
0.1195

85.9323, 0.3034,
0.3107

12.3720, 0.1797,
0.0939

99.9990, 0.3127,
0.3290

9.4924, 0.1664,
0.0755

■ 7.9531, 0.1574,
0.0650

■ 7.6722, 0.1555,
0.0631

Harmonies

Analogous

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



41.4756, 0.2051, 0.2159



41.4756, 0.2544, 0.2185



41.4756, 0.3262, 0.2434

Triad

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



41.4756, 0.2544, 0.2185



41.4756, 0.4599, 0.3948



41.4756, 0.2244, 0.3715

Complementary

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



41.4756, 0.2544, 0.2185



92.5824, 0.3586, 0.4254

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.



41.4756, 0.2859, 0.4434



41.4756, 0.2544, 0.2185



41.4756, 0.4227, 0.4446

Square

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



41.4756, 0.2544, 0.2185



41.4756, 0.4541, 0.3387



41.4756, 0.3586, 0.4690



41.4756, 0.1890, 0.2932

Rectangle

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



41.4756, 0.2544, 0.2185



41.4756, 0.3784, 0.2701



41.4756, 0.3586, 0.4690



41.4756, 0.2425, 0.3984

Sweetspot

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



41.4772, 0.2544, 0.2185



79.1800, 0.2982, 0.3005



77.4514, 0.2582, 0.3129



16.4440, 0.2962, 0.2967



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.



41.4772, 0.2544, 0.2185



33.3486, 0.2395, 0.1919



47.8579, 0.2901, 0.2288



17.5149, 0.3003, 0.3046



4.0498, 0.1565, 0.0636



0.4320, 0.1652, 0.0684

Inverse Universe

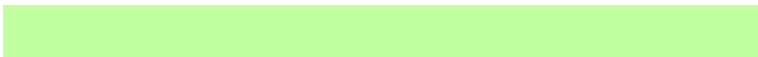
The Inverse Universe completely reimagines the original color for something new.



52.7003, 0.3292, 0.2495



46.2010, 0.3336, 0.2337



85.4201, 0.3274, 0.4359



18.2484, 0.3162, 0.3092



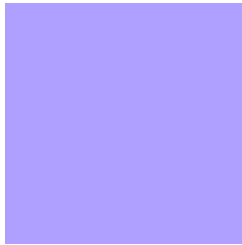
13.6880, 0.3653, 0.1786



1.3454, 0.3594, 0.1753

Previews

White Background



This preview shows how the Yxy color 41.4756, 0.2544, 0.2185 looks on a white background.

Color Contrast Check

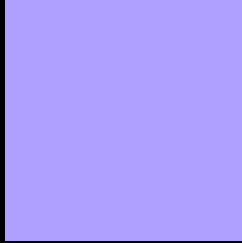
Large Text (above 18pt) WCAG AA × Fail

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 41.4756, 0.2544, 0.2185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

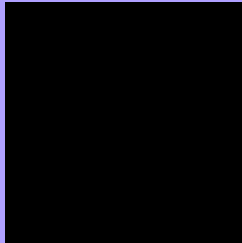
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.4756, 0.2544, 0.2185

Background



This preview shows how black text looks on a background with the Yxy color 41.4756, 0.2544, 0.2185.



This preview shows how white text looks on a background with the Yxy color 41.4756, 0.2544, 0.2185.

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

41.4756, 0.2544, 0.2185

Protanopia

41.8091, 0.2353, 0.2249

Deuteranopia

41.7066, 0.2342, 0.2275



Tritanopia

41.4800, 0.2905, 0.3097

Trichromacy



Original Color

41.4756, 0.2544, 0.2185

Protanomaly

41.4610, 0.2419, 0.2218

Deuteranomaly

41.4686, 0.2407, 0.2235

Tritanomaly

41.2364, 0.2767, 0.2729

Monochromacy



Original Color

41.4756, 0.2544, 0.2185

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.2230, 0.2899, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4756, 0.2544, 0.2185 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, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 160, 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, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.4756, 0.2544, 0.2185 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, 160, 255) }
```

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

```
.border{ border-color:rgb(175, 160, 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, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4756, 0.2544, 0.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 160, 255) }
```

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

```
.background{ background-color: rgb(175,  
160, 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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