

Converting Colors

$Y_{xy}(40.8506, 0.2522, 0.2169)$

Have a look what the booklet for
Yxy(40.8506, 0.2522, 0.2169)
contains.

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Color

Yxy(40.7869, 0.2521, 0.2167)

Conversions

Conversions Part 1

Format	Color
Hex	AC9FFF
RGB	172, 159, 255
RGB Percent	67%, 62%, 100%
CMY	0.3258, 0.3764, 0.0000
CMYK	0.33, 0.38, 0.00, 0.00
HSL	248°, 100%, 81%
HSV	248°, 38%, 100%
XYZ	47.4498, 40.7869, 99.9815
YIQ	173.8310, -23.0680, 32.6120

Conversions

Conversions Part 2

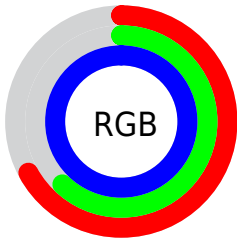
Format	Color
R_{YB}	172, 159, 255
Decimal	11313151
CIE _{Lab}	70.03, 25.84, -46.07
CIE _{LCh}	70, 52.825, 299.288
Yxy	40.7869, 0.2521, 0.2167
Android (android.graphics.Color)	4289503231 (0xFFAC9FFF)
YUV	173.8310, 40.0163, -1.6058
Hunter-Lab	63.8646, 20.8580, -48.1146

Details

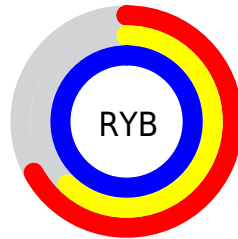
The Yxy color **40.7869, 0.2521, 0.2167** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.9183, 0.3606, 0.4259**, and the grayscale version is **42.0329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9711, 0.2965, 0.2868**, and **18.5842, 0.2353, 0.1910** is the 20% darker color. If you saturate the color by 10%, you get **30.6103, 0.2323, 0.1821**, and if you desaturate by 10%, it is **53.1898, 0.2707, 0.2502**.

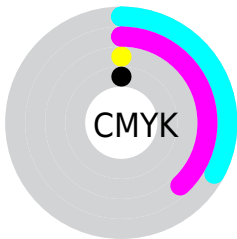
Distribution



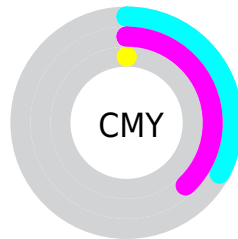
- Red (67%)
- Green (62%)
- Blue (100%)



- Red (67%)
- Yellow (62%)
- Blue (100%)



- Cyan (33%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7869, 0.2521, 0.2167 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 40.7869, 0.2521, 0.2167 by changing the saturation by 10% instead.


 40.7869, 0.2521,
0.2167

 40.7869, 0.2521,
0.2167


349.4292, 0.2829,
0.2692

 28.1526, 0.2445,
0.2049


 76.3603, 0.2633,
0.2349

 18.4407, 0.2349,
0.1904


 100.0682, 0.2675,
0.2419

 11.2669, 0.2224,
0.1725


128.2361, 0.2710,
0.2481

 6.2466, 0.2057,
0.1499

161.2483, 0.2741,
0.2534

 2.9956, 0.1826,
0.1210

199.4894, 0.2767,
0.2581

 1.1294, 0.1496,
0.0845


243.3436, 0.2791,


 0.0029, 0.1041,


0.2622


0.0005


293.1954, 0.2811,
0.2659


 0.0000, 0.0000,
0.0000

 40.7869, 0.2521,
0.2167


 40.7869, 0.2521,
0.2167


 30.6103, 0.2323,
0.1821


 53.1898, 0.2707,
0.2502

 22.5235, 0.2123,
0.1481


 67.9364, 0.2876,
0.2814

 16.3812, 0.1933,
0.1172

 85.1408, 0.3026,
0.3096

 12.0174, 0.1768,
0.0918

100.0000, 0.3127,
0.3290

 9.2381, 0.1640,
0.0739

■ 7.7920, 0.1557,
0.0639

■ 7.5650, 0.1542,
0.0623

Harmonies

Analogous

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



40.7869, 0.2028, 0.2145



40.7869, 0.2521, 0.2167



40.7869, 0.3245, 0.2414

Triad

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



40.7869, 0.2521, 0.2167



40.7869, 0.4625, 0.3942



40.7869, 0.2242, 0.3740

Complementary

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



40.7869, 0.2521, 0.2167



92.9183, 0.3606, 0.4259

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.



40.7869, 0.2869, 0.4467



40.7869, 0.2521, 0.2167



40.7869, 0.4254, 0.4452

Square

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



40.7869, 0.2521, 0.2167



40.7869, 0.4557, 0.3374



40.7869, 0.3606, 0.4713



40.7869, 0.1877, 0.2940

Rectangle

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



40.7869, 0.2521, 0.2167



40.7869, 0.3777, 0.2683



40.7869, 0.3606, 0.4713



40.7869, 0.2427, 0.4014

Sweetspot

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



40.7882, 0.2521, 0.2167



79.0734, 0.2978, 0.3004



78.2191, 0.2580, 0.3145



16.4188, 0.2958, 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.



40.7882, 0.2521, 0.2167



33.0853, 0.2376, 0.1912



47.2114, 0.2885, 0.2273



17.4948, 0.2999, 0.3046



3.9885, 0.1551, 0.0628



0.4226, 0.1631, 0.0672

Inverse Universe

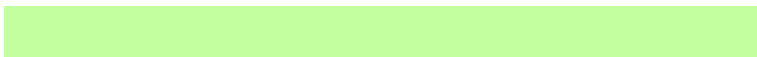
The Inverse Universe completely reimagines the original color for something new.



52.4820, 0.3276, 0.2467



46.3551, 0.3312, 0.2315



85.5222, 0.3286, 0.4368



18.2559, 0.3159, 0.3087



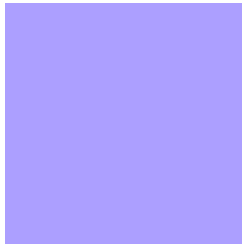
13.8449, 0.3582, 0.1747



1.3592, 0.3533, 0.1720

Previews

White Background



This preview shows how the Yxy color 40.7869, 0.2521, 0.2167 looks on a white background.

Color Contrast Check

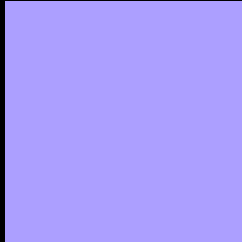
Large Text (above 18pt) WCAG AA × Fail

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 40.7869, 0.2521, 0.2167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

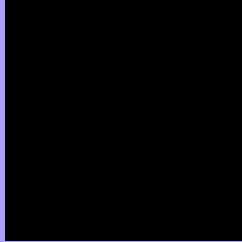
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7869, 0.2521, 0.2167

Background



This preview shows how black text looks on a background with the Yxy color 40.7869, 0.2521, 0.2167.



This preview shows how white text looks on a background with the Yxy color 40.7869, 0.2521, 0.2167.

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

40.7869, 0.2521, 0.2167

Protanopia

40.8880, 0.2337, 0.2220

Deuteranopia

41.0755, 0.2322, 0.2257



Tritanopia

40.7441, 0.2888, 0.3095

Trichromacy



Original Color

40.7869, 0.2521, 0.2167

Protanomaly

40.8057, 0.2398, 0.2201

Deuteranomaly

40.8178, 0.2386, 0.2218

Tritanomaly

40.5453, 0.2742, 0.2712

Monochromacy



Original Color

40.7869, 0.2521, 0.2167

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.5720, 0.2889, 0.2846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7869, 0.2521, 0.2167 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(172, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 159, 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(172, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 159, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.7869, 0.2521, 0.2167 is called "border". The border property can be set on classes, ids or directly on the HTML element.

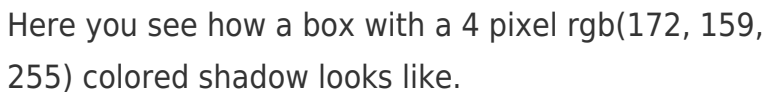
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 159, 255) }
```

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

```
.border{ border-color:rgb(172, 159, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 159,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7869, 0.2521, 0.2167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 159, 255) }
```

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

```
.background{ background-color: rgb(172,  
159, 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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