

Converting Colors

$Y_{xy}(43.7284, 0.2521, 0.2268)$

Have a look what the booklet for
Yxy(43.7284, 0.2521, 0.2268)
contains.

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Color

Yxy(43.7713, 0.2521, 0.2269)

Conversions

Conversions Part 1

Format	Color
Hex	AAA8FF
RGB	170, 168, 255
RGB Percent	67%, 66%, 100%
CMY	0.3333, 0.3412, 0.0000
CMYK	0.33, 0.34, 0.00, 0.00
HSL	241°, 100%, 83%
HSV	241°, 34%, 100%
XYZ	48.6326, 43.7713, 100.5062
YIQ	178.5160, -26.7350, 27.4810

Conversions

Conversions Part 2

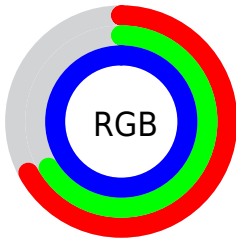
Format	Color
R _Y B	170, 168, 255
Decimal	11184383
CIE Lab	72.08, 20.28, -42.88
CIE LCh	72, 47.433, 295.310
Yxy	43.7713, 0.2521, 0.2269
Android (android.graphics.Color)	4289374463 (0xFFAAA8FF)
YUV	178.5160, 37.7066, -7.4685
Hunter-Lab	66.1599, 15.4315, -43.7579

Details

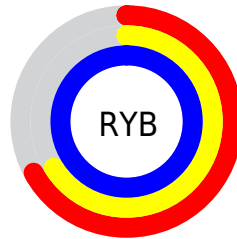
The Yxy color **43.7713, 0.2521, 0.2269** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95.2285, 0.3630, 0.4148**, and the grayscale version is **44.6158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3262, 0.2953, 0.2961**, and **20.2128, 0.2355, 0.2025** is the 20% darker color. If you saturate the color by 10%, you get **32.7434, 0.2308, 0.1914**, and if you desaturate by 10%, it is **57.1724, 0.2722, 0.2606**.

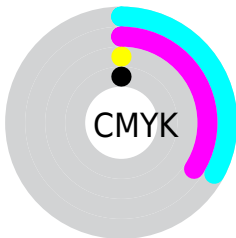
Distribution



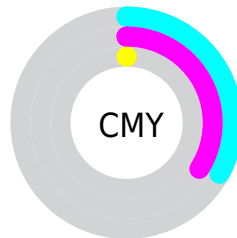
- Red (67%)
- Green (66%)
- Blue (100%)



- Red (67%)
- Yellow (66%)
- Blue (100%)



- Cyan (33%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7713, 0.2521, 0.2269 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 43.7713, 0.2521, 0.2269 by changing the saturation by 10% instead.


 43.7713, 0.2521,
0.2269

 43.7713, 0.2521,
0.2269

361.7742, 0.2824,
0.2748

 30.4908, 0.2447,
0.2160


 80.8735, 0.2630,
0.2435

 20.2114, 0.2355,
0.2027


 105.4639, 0.2671,
0.2500

 12.5488, 0.2235,
0.1861


134.5931, 0.2706,
0.2555

 7.1186, 0.2075,
0.1650

168.6455, 0.2737,
0.2604

 3.5364, 0.1855,
0.1376

208.0053, 0.2763,
0.2646

 1.4178, 0.1541,
0.1019

253.0572, 0.2786,

 0.2298, 0.1103,

0.2684

0.0355

304.1853, 0.2806,
0.2718

0.0000, 0.0000,
0.0000

43.7713, 0.2521,
0.2269

43.7713, 0.2521,
0.2269

32.7434, 0.2308,
0.1914

57.1724, 0.2722,
0.2606

23.9487, 0.2094,
0.1558

73.0720, 0.2905,
0.2914

17.2353, 0.1894,
0.1228

91.5885, 0.3067,
0.3187

12.4319, 0.1724,
0.0950

100.0000, 0.3127,
0.3290

9.3396, 0.1599,
0.0749

■ 7.7160, 0.1526,
0.0636

■ 7.2580, 0.1505,
0.0603

Harmonies

Analogous

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



43.7713, 0.2106, 0.2285



43.7713, 0.2521, 0.2269



43.7713, 0.3144, 0.2467

Triad

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



43.7713, 0.2521, 0.2269



43.7713, 0.4467, 0.3824



43.7713, 0.2411, 0.3780

Complementary

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



43.7713, 0.2521, 0.2269



95.2285, 0.3630, 0.4148

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.



43.7713, 0.2996, 0.4363



43.7713, 0.2521, 0.2269



43.7713, 0.4196, 0.4282

Square

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



43.7713, 0.2521, 0.2269



43.7713, 0.4341, 0.3313



43.7713, 0.3650, 0.4528



43.7713, 0.2042, 0.3078

Rectangle

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



43.7713, 0.2521, 0.2269



43.7713, 0.3611, 0.2698



43.7713, 0.3650, 0.4528



43.7713, 0.2588, 0.4007

Sweetspot

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



43.7719, 0.2521, 0.2269



80.3733, 0.2974, 0.3031



86.1431, 0.2640, 0.3273



16.6590, 0.2951, 0.2991



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.



43.7719, 0.2521, 0.2269



35.9355, 0.2375, 0.2026



49.3638, 0.2834, 0.2352



17.3977, 0.2982, 0.3044



3.8011, 0.1507, 0.0604



0.3768, 0.1523, 0.0613

Inverse Universe

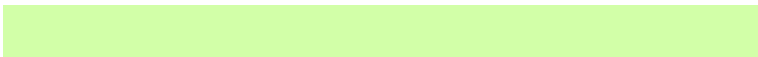
The Inverse Universe completely reimagines the original color for something new.



56.3565, 0.3183, 0.2458



50.2822, 0.3194, 0.2298



88.0561, 0.3340, 0.4236



18.2927, 0.3142, 0.3061



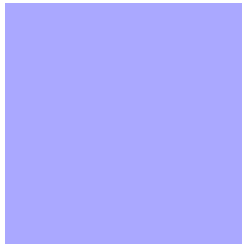
14.6897, 0.3268, 0.1574



1.4325, 0.3261, 0.1570

Previews

White Background



This preview shows how the Yxy color 43.7713, 0.2521, 0.2269 looks on a white background.

Color Contrast Check

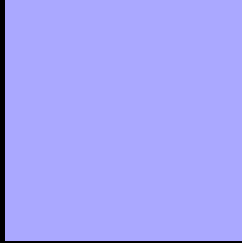
Large Text (above 18pt) WCAG AA × Fail

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 43.7713, 0.2521, 0.2269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

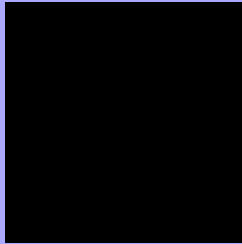
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.7713, 0.2521, 0.2269

Background



This preview shows how black text looks on a background with the Yxy color 43.7713, 0.2521, 0.2269.



This preview shows how white text looks on a background with the Yxy color 43.7713, 0.2521, 0.2269.

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

43.7713, 0.2521, 0.2269

Protanopia

43.9761, 0.2403, 0.2309

Deuteranopia

44.0187, 0.2392, 0.2327



Tritanopia

43.7057, 0.2834, 0.3099

Trichromacy



Original Color

43.7713, 0.2521, 0.2269

Protanomaly

43.8931, 0.2443, 0.2295

Deuteranomaly

43.6294, 0.2435, 0.2302

Tritanomaly

43.6899, 0.2716, 0.2771

Monochromacy



Original Color

43.7713, 0.2521, 0.2269

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.3950, 0.2887, 0.2880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7713, 0.2521, 0.2269 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(170, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 168, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.7713, 0.2521, 0.2269 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(170, 168, 255) }
```

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

```
.border{ border-color:rgb(170, 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(170, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 168,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7713, 0.2521, 0.2269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 168, 255) }
```

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

```
.background{ background-color: rgb(170,  
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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