

Converting Colors

$Y_{xy}(45.6230, 0.2572, 0.2422)$

Have a look what the booklet for
Yxy(45.6230, 0.2572, 0.2422)
contains.

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Color

Yxy(45.4225, 0.2569, 0.2417)

Conversions

Conversions Part 1

Format	Color
Hex	A9AEF7
RGB	169, 174, 247
RGB Percent	66%, 68%, 97%
CMY	0.3375, 0.3176, 0.0313
CMYK	0.32, 0.30, 0.00, 0.03
HSL	236°, 83%, 82%
HSV	236°, 32%, 97%
XYZ	48.2790, 45.4225, 94.2277
YIQ	180.8270, -26.4130, 21.6430

Conversions

Conversions Part 2

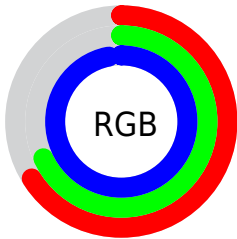
Format	Color
R _Y B	169, 174, 247
Decimal	11120375
CIE Lab	73.17, 14.59, -36.85
CIE LCh	73, 39.635, 291.602
Yxy	45.4225, 0.2569, 0.2417
Android (android.graphics.Color)	4289310455 (0xFFA9AEF7)
YUV	180.8270, 32.6233, -10.3723
Hunter-Lab	67.3962, 9.9244, -35.7169

Details

The Yxy color **45.4225, 0.2569, 0.2417** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **86.1080, 0.3620, 0.4035**, and the grayscale version is **45.9385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4274, 0.2947, 0.3023**, and **21.2142, 0.2416, 0.2210** is the 20% darker color. If you saturate the color by 10%, you get **34.7755, 0.2361, 0.2085**, and if you desaturate by 10%, it is **58.1234, 0.2765, 0.2726**.

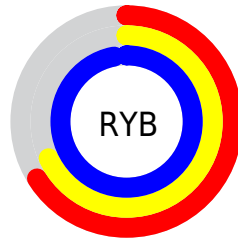
Distribution



Red (66%)

Green (68%)

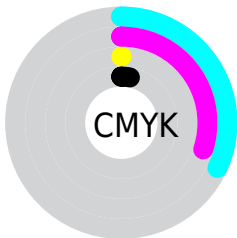
Blue (97%)



Red (66%)

Yellow (68%)

Blue (97%)

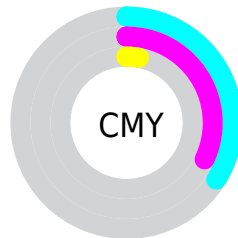


Cyan (32%)

Magenta (30%)

Yellow (0%)

Black (3%)



Cyan (34%)

Magenta (32%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4225, 0.2569, 0.2417 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 45.4225, 0.2569, 0.2417 by changing the saturation by 10% instead.

■ 45.4225, 0.2569,
0.2417

■ 45.4225, 0.2569,
0.2417

368.4820, 0.2846,
0.2831

■ 31.7903, 0.2502,
0.2321

■ 83.3541, 0.2669,
0.2562

■ 21.2014, 0.2417,
0.2203

108.4222, 0.2706,
0.2618

■ 13.2713, 0.2306,
0.2054

138.0712, 0.2738,
0.2666

■ 7.6156, 0.2159,
0.1860

172.6854, 0.2766,
0.2708

■ 3.8500, 0.1953,
0.1603

212.6492, 0.2790,
0.2744

■ 1.5900, 0.1655,
0.1252

258.3470, 0.2811,


■ 0.3509, 0.1212,

0.2777


0.0617


310.1631, 0.2830,
0.2805

 0.0000, 0.0000,
0.0000

 45.4225, 0.2569,
0.2417


 45.4225, 0.2569,
0.2417


 34.7755, 0.2361,
0.2085

 58.1234, 0.2765,
0.2726


 26.0694, 0.2151,
0.1743


 72.9726, 0.2944,
0.3006

 19.1885, 0.1950,
0.1411

 90.0651, 0.3103,
0.3253

 14.0027, 0.1773,
0.1113

 99.4962, 0.3173,
0.3366

 10.3645, 0.1636,
0.0873

■ 8.1008, 0.1547,
0.0708

■ 7.0881, 0.1508,
0.0630

Harmonies

Analogous

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



45.4225, 0.2237, 0.2463



45.4225, 0.2569, 0.2417



45.4225, 0.3077, 0.2564

Triad

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



45.4225, 0.2569, 0.2417



45.4225, 0.4244, 0.3706



45.4225, 0.2589, 0.3761

Complementary

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



45.4225, 0.2569, 0.2417



86.1080, 0.3620, 0.4035

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.



45.4225, 0.3097, 0.4196



45.4225, 0.2569, 0.2417



45.4225, 0.4067, 0.4091

Square

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



45.4225, 0.2569, 0.2417



45.4225, 0.4090, 0.3270



45.4225, 0.3640, 0.4301



45.4225, 0.2243, 0.3193

Rectangle

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



45.4225, 0.2569, 0.2417



45.4225, 0.3460, 0.2751



45.4225, 0.3640, 0.4301



45.4225, 0.2745, 0.3934

Sweetspot

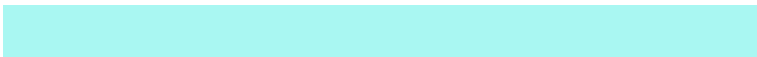
The Sweet Spot groups the original color and five complimentary colors.



45.4243, 0.2569, 0.2417



82.9688, 0.2987, 0.3073



81.3574, 0.2699, 0.3347



17.2096, 0.2963, 0.3036



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.



45.4243, 0.2569, 0.2417



41.1918, 0.2436, 0.2204



47.7371, 0.2811, 0.2416



16.0994, 0.2979, 0.3061



3.8168, 0.1511, 0.0640



0.3949, 0.1539, 0.0739

Inverse Universe

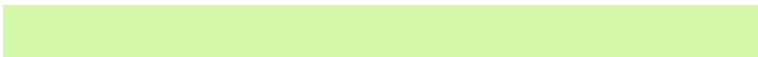
The Inverse Universe completely reimagines the original color for something new.



51.1891, 0.3806, 0.3237



48.4425, 0.4011, 0.3226



83.5653, 0.3370, 0.4146



16.5000, 0.3283, 0.3275



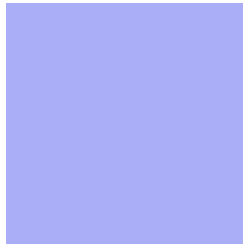
10.4847, 0.6333, 0.3262



0.9275, 0.6168, 0.3171

Previews

White Background



This preview shows how the Yxy color 45.4225, 0.2569, 0.2417 looks on a white background.

Color Contrast Check

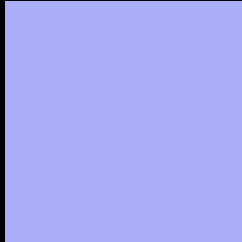
Large Text (above 18pt) WCAG AA × Fail

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 45.4225, 0.2569, 0.2417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

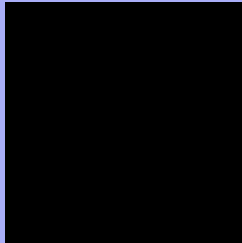
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4225, 0.2569, 0.2417

Background



This preview shows how black text looks on a background with the Yxy color 45.4225, 0.2569, 0.2417.



This preview shows how white text looks on a background with the Yxy color 45.4225, 0.2569, 0.2417.

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

45.4225, 0.2569, 0.2417

Protanopia

45.5529, 0.2490, 0.2418

Deuteranopia

45.3672, 0.2507, 0.2448



Tritanopia

45.2133, 0.2816, 0.3088

Trichromacy



Original Color

45.4225, 0.2569, 0.2417

Protanomaly

45.5094, 0.2520, 0.2421

Deuteranomaly

45.3859, 0.2531, 0.2441

Tritanomaly

45.2818, 0.2721, 0.2825

Monochromacy



Original Color

45.4225, 0.2569, 0.2417

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.5957, 0.2911, 0.2945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4225, 0.2569, 0.2417 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, 174, 247)` looks like.

```
.text, #text, p{  
    color:rgb(169, 174, 247)  
}
```

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, 174, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 174, 247) }
```

Border

The CSS property to change the border of an element to Yxy 45.4225, 0.2569, 0.2417 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, 174, 247) }
```

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

```
.border{ border-color:rgb(169, 174, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 174, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 174, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 174, 247);  
box-shadow:4px 4px 4px 4px rgb(169, 174,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4225, 0.2569, 0.2417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 174, 247) }
```

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

```
.background{ background-color: rgb(169,  
174, 247) }
```

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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