

Converting Colors

$Y_{xy}(48.8425, 0.2342, 0.1970)$

Have a look what the booklet for
Yxy(48.8425, 0.2342, 0.1970)
contains.

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Color

Yxy(45.8390, 0.2561, 0.2325)

Conversions

Conversions Part 1

Format	Color
Hex	AFACFF
RGB	175, 172, 255
RGB Percent	69%, 67%, 100%
CMY	0.3136, 0.3255, 0.0000
CMYK	0.31, 0.33, 0.00, 0.00
HSL	242°, 100%, 84%
HSV	242°, 33%, 100%
XYZ	50.4919, 45.8390, 100.8261
YIQ	182.3590, -24.8550, 26.4490

Conversions

Conversions Part 2

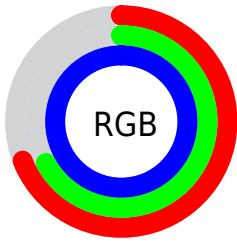
Format	Color
RYB	175, 172, 255
Decimal	11513087
CIELab	73.44, 19.43, -40.73
CIELCh	73, 45.126, 295.497
Yxy	45.8390, 0.2561, 0.2325
Android (android.graphics.Color)	4289703167 (0xFFAFACFF)
YUV	182.3590, 35.8120, -6.4538
Hunter-Lab	67.7045, 14.6368, -40.9020

Details

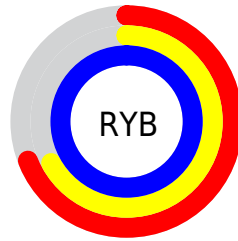
The Yxy color **45.8390, 0.2561, 0.2325** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95.1845, 0.3599, 0.4111**, and the grayscale version is **46.7974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3140, 0.2986, 0.3006**, and **21.5032, 0.2407, 0.2099** is the 20% darker color. If you saturate the color by 10%, you get **34.4572, 0.2352, 0.1973**, and if you desaturate by 10%, it is **59.5984, 0.2757, 0.2657**.

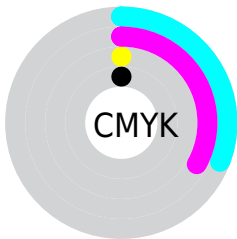
Distribution



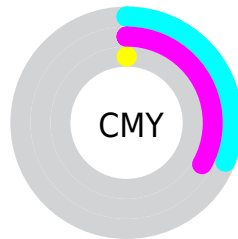
- Red (69%)
- Green (67%)
- Blue (100%)



- Red (69%)
- Yellow (67%)
- Blue (100%)



- Cyan (31%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8390, 0.2561, 0.2325 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 45.8390, 0.2561, 0.2325 by changing the saturation by 10% instead.

■ 45.8390, 0.2561,
0.2325

■ 45.8390, 0.2561,
0.2325

370.1610, 0.2843,
0.2776

■ 32.1188, 0.2493,
0.2223

■ 83.9780, 0.2662,
0.2481

■ 21.4523, 0.2407,
0.2097

109.1656, 0.2700,
0.2542

■ 13.4550, 0.2296,
0.1940

138.9444, 0.2733,
0.2595

■ 7.7426, 0.2148,
0.1739

173.6989, 0.2761,
0.2641

■ 3.9307, 0.1943,
0.1478

213.8134, 0.2786,
0.2681

■ 1.6349, 0.1650,
0.1132

259.6723, 0.2807,


■ 0.3809, 0.1232,


0.2716

0.0561


311.6600, 0.2826,
0.2748


 0.0000, 0.0000,
0.0000


 45.8390, 0.2561,
0.2325


 45.8390, 0.2561,
0.2325

 34.4572, 0.2352,
0.1973


 59.5984, 0.2757,
0.2657

 25.3203, 0.2139,
0.1618


 75.8619, 0.2934,
0.2959

 18.2791, 0.1936,
0.1282

 94.7443, 0.3091,
0.3227

 13.1674, 0.1759,
0.0995

100.0000, 0.3127,
0.3290

 9.7937, 0.1624,
0.0780

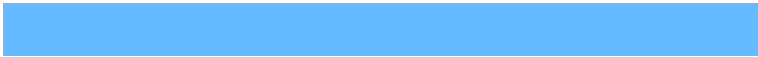
■ 7.9273, 0.1539,
0.0651

■ 7.2804, 0.1508,
0.0604

Harmonies

Analogous

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



45.8390, 0.2164, 0.2341



45.8390, 0.2561, 0.2325



45.8390, 0.3150, 0.2514

Triad

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



45.8390, 0.2561, 0.2325



45.8390, 0.4385, 0.3805



45.8390, 0.2453, 0.3745

Complementary

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



45.8390, 0.2561, 0.2325



95.1845, 0.3599, 0.4111

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.



45.8390, 0.3005, 0.4286



45.8390, 0.2561, 0.2325



45.8390, 0.4133, 0.4231

Square

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



45.8390, 0.2561, 0.2325



45.8390, 0.4266, 0.3320



45.8390, 0.3621, 0.4449



45.8390, 0.2102, 0.3092

Rectangle

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



45.8390, 0.2561, 0.2325



45.8390, 0.3586, 0.2734



45.8390, 0.3621, 0.4449



45.8390, 0.2620, 0.3954

Sweetspot

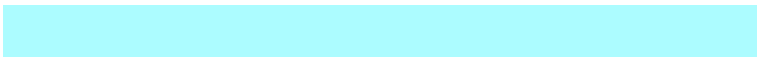
The Sweet Spot groups the original color and five complimentary colors.



45.8383, 0.2561, 0.2325



80.4310, 0.2976, 0.3031



85.7564, 0.2658, 0.3259



16.6728, 0.2953, 0.2992



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.



45.8383, 0.2561, 0.2325



38.2378, 0.2427, 0.2100



51.3589, 0.2862, 0.2402



17.4096, 0.2984, 0.3044



3.8179, 0.1511, 0.0606



0.3824, 0.1537, 0.0620

Inverse Universe

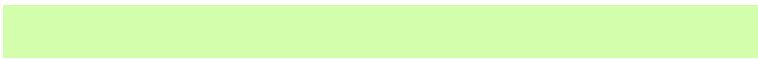
The Inverse Universe completely reimagines the original color for something new.



57.7854, 0.3189, 0.2505



51.8732, 0.3202, 0.2355



88.3066, 0.3322, 0.4192



18.2882, 0.3144, 0.3064



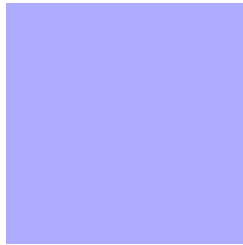
14.5790, 0.3303, 0.1593



1.4230, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 45.8390, 0.2561, 0.2325 looks on a white background.

Color Contrast Check

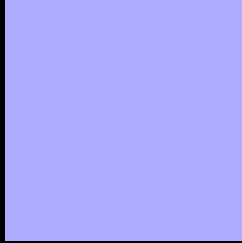
Large Text (above 18pt) WCAG AA × Fail

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 45.8390, 0.2561, 0.2325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

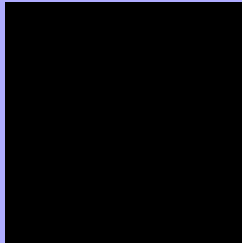
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8390, 0.2561, 0.2325

Background



This preview shows how black text looks on a background with the Yxy color 45.8390, 0.2561, 0.2325.



This preview shows how white text looks on a background with the Yxy color 45.8390, 0.2561, 0.2325.

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

45.8390, 0.2561, 0.2325

Protanopia

46.1287, 0.2448, 0.2368

Deuteranopia

45.8666, 0.2441, 0.2375



Tritanopia

45.7307, 0.2854, 0.3090

Trichromacy



Original Color

45.8390, 0.2561, 0.2325

Protanomaly

46.0572, 0.2488, 0.2354

Deuteranomaly

45.8878, 0.2487, 0.2362

Tritanomaly

45.5702, 0.2737, 0.2781

Monochromacy



Original Color

45.8390, 0.2561, 0.2325

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.0279, 0.2897, 0.2898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8390, 0.2561, 0.2325 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, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 172, 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, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 172, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.8390, 0.2561, 0.2325 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, 172, 255) }
```

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

```
.border{ border-color:rgb(175, 172, 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, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 172,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8390, 0.2561, 0.2325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 172, 255) }
```

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

```
.background{ background-color: rgb(175,  
172, 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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