

Converting Colors

$Y_{xy}(46.4549, 0.2531, 0.2203)$

Have a look what the booklet for
Yxy(46.4549, 0.2531, 0.2203)
contains.

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Color

Yxy(45.7932, 0.2600, 0.2313)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B5AAFF |
| RGB | 181, 170, 255 |
| RGB Percent | 71%, 67%, 100% |
| CMY | 0.2902, 0.3333, 0.0001 |
| CMYK | 0.29, 0.33, 0.00, 0.00 |
| HSL | 248°, 100%, 83% |
| HSV | 248°, 33%, 100% |
| XYZ | 51.4753, 45.7932, 100.7134 |
| YIQ | 182.9790, -20.7290, 28.7670 |

Conversions

Conversions Part 2

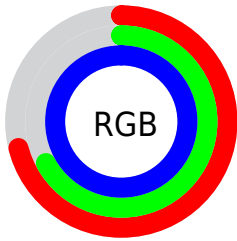
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 181, 170, 255 |
| Decimal | 11905791 |
| CIE Lab | 73.41, 22.17, -40.71 |
| CIE LCh | 73, 46.353, 298.567 |
| Yxy | 45.7932, 0.2600, 0.2313 |
| Android (android.graphics.Color) | 4290095871 (0xFFB5AAFF) |
| YUV | 182.9790, 35.5064, -1.7356 |
| Hunter-Lab | 67.6707, 17.3565, -40.8710 |

Details

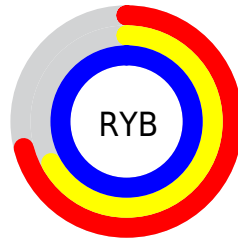
The Yxy color **45.7932, 0.2600, 0.2313** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.6410, 0.3556, 0.4146**, and the grayscale version is **47.1523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2476, 0.3026, 0.2989**, and **21.4697, 0.2454, 0.2085** is the 20% darker color. If you saturate the color by 10%, you get **34.6703, 0.2405, 0.1969**, and if you desaturate by 10%, it is **59.2012, 0.2780, 0.2640**.

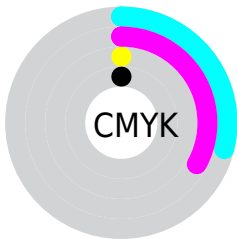
Distribution



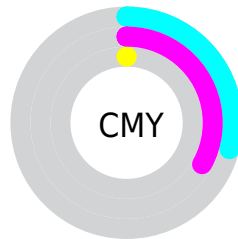
- Red (71%)
- Green (67%)
- Blue (100%)



- Red (71%)
- Yellow (67%)
- Blue (100%)



- Cyan (29%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7932, 0.2600, 0.2313 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 45.7932, 0.2600, 0.2313 by changing the saturation by 10% instead.


 45.7932, 0.2600,
0.2313

 45.7932, 0.2600,
0.2313


369.9766, 0.2864,
0.2768

 32.0827, 0.2536,
0.2210


 83.9094, 0.2695,
0.2471

 21.4246, 0.2454,
0.2084


109.0839, 0.2731,
0.2532

 13.4348, 0.2349,
0.1927


138.8485, 0.2762,
0.2585

 7.7286, 0.2208,
0.1726

173.5875, 0.2788,
0.2631

 3.9218, 0.2012,
0.1465

213.6855, 0.2811,
0.2672

 1.6299, 0.1728,
0.1121

259.5267, 0.2831,


 0.3776, 0.1319,


0.2708

0.0553

311.4956, 0.2848,
0.2740

 0.0000, 0.0000,
0.0000

 45.7932, 0.2600,
0.2313


 45.7932, 0.2600,
0.2313


 34.6703, 0.2405,
0.1969

 59.2012, 0.2780,
0.2640


 25.6993, 0.2204,
0.1623


 75.0067, 0.2942,
0.2939

 18.7415, 0.2008,
0.1298

 93.3211, 0.3084,
0.3208

 13.6397, 0.1830,
0.1017

 99.9985, 0.3127,
0.3290

 10.2129, 0.1686,
0.0804

■ 8.2430, 0.1584,
0.0671

■ 7.5409, 0.1540,
0.0622

Harmonies

Analogous

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



45.7932, 0.2172, 0.2306



45.7932, 0.2600, 0.2313



45.7932, 0.3218, 0.2525

Triad

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



45.7932, 0.2600, 0.2313



45.7932, 0.4408, 0.3864



45.7932, 0.2387, 0.3688

Complementary

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



45.7932, 0.2600, 0.2313



93.6410, 0.3556, 0.4146

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.



45.7932, 0.2936, 0.4274



45.7932, 0.2600, 0.2313



45.7932, 0.4113, 0.4289

Square

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



45.7932, 0.2600, 0.2313



45.7932, 0.4328, 0.3369



45.7932, 0.3569, 0.4485



45.7932, 0.2055, 0.3022

Rectangle

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



45.7932, 0.2600, 0.2313



45.7932, 0.3665, 0.2760



45.7932, 0.3569, 0.4485



45.7932, 0.2550, 0.3909

Sweetspot

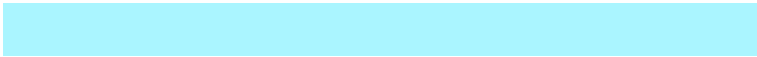
The Sweet Spot groups the original color and five complimentary colors.



45.7950, 0.2600, 0.2313



80.8248, 0.2991, 0.3032



81.1096, 0.2638, 0.3179



16.7672, 0.2971, 0.2993



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.



45.7950, 0.2600, 0.2313



38.1288, 0.2471, 0.2084



51.5664, 0.2909, 0.2393



17.4902, 0.2999, 0.3046



3.9756, 0.1548, 0.0626



0.4205, 0.1626, 0.0669

Inverse Universe

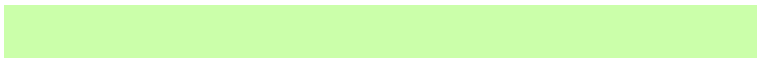
The Inverse Universe completely reimagines the original color for something new.



56.5412, 0.3252, 0.2556



50.4425, 0.3283, 0.2413



87.0459, 0.3280, 0.4229



18.2576, 0.3158, 0.3086



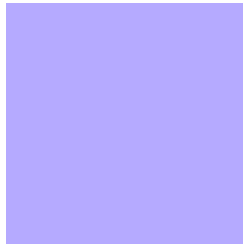
13.8819, 0.3566, 0.1738



1.3624, 0.3519, 0.1712

Previews

White Background



This preview shows how the Yxy color 45.7932, 0.2600, 0.2313 looks on a white background.

Color Contrast Check

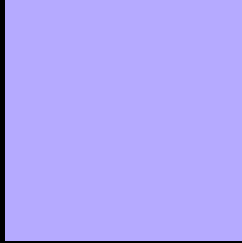
Large Text (above 18pt) WCAG AA × Fail

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 45.7932, 0.2600, 0.2313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

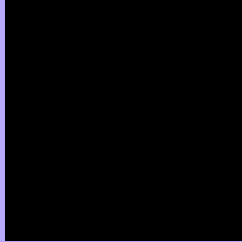
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7932, 0.2600, 0.2313

Background



This preview shows how black text looks on a background with the Yxy color 45.7932, 0.2600, 0.2313.

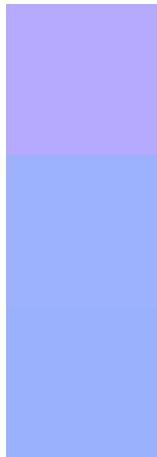


This preview shows how white text looks on a background with the Yxy color 45.7932, 0.2600, 0.2313.

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

45.7932, 0.2600, 0.2313

Protanopia

46.1287, 0.2448, 0.2368

Deuteranopia

45.8027, 0.2446, 0.2385



Tritanopia

45.8764, 0.2914, 0.3105

Trichromacy



Original Color

45.7932, 0.2600, 0.2313

Protanomaly

45.8793, 0.2499, 0.2345

Deuteranomaly

45.7082, 0.2498, 0.2353

Tritanomaly

45.7348, 0.2794, 0.2798

Monochromacy



Original Color

45.7932, 0.2600, 0.2313

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.3893, 0.2921, 0.2901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7932, 0.2600, 0.2313 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(181, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 170, 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(181, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 170, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.7932, 0.2600, 0.2313 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(181, 170, 255) }
```

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

```
.border{ border-color:rgb(181, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 170,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7932, 0.2600, 0.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 170, 255) }
```

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

```
.background{ background-color: rgb(181,  
170, 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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