

Converting Colors

$Y_{xy}(45.3751, 0.2575, 0.2306)$

Have a look what the booklet for
Yxy(45.3751, 0.2575, 0.2306)
contains.

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Color

Yxy(45.3166, 0.2572, 0.2305)

Conversions

Conversions Part 1

Format	Color
Hex	B1AAFF
RGB	177, 170, 255
RGB Percent	69%, 67%, 100%
CMY	0.3057, 0.3334, 0.0000
CMYK	0.31, 0.33, 0.00, 0.00
HSL	245°, 100%, 83%
HSV	245°, 33%, 100%
XYZ	50.5659, 45.3166, 100.7188
YIQ	181.7830, -23.1130, 27.9190

Conversions

Conversions Part 2

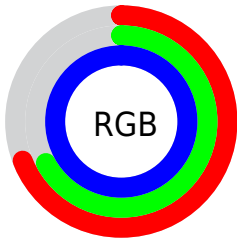
Format	Color
RYB	177, 170, 255
Decimal	11643647
CIELab	73.10, 21.09, -41.25
CIELCh	73, 46.330, 297.083
Yxy	45.3166, 0.2572, 0.2305
Android (android.graphics.Color)	4289833727 (0xFFB1AAFF)
YUV	181.7830, 36.0960, -4.1947
Hunter-Lab	67.3176, 16.2751, -41.5858

Details

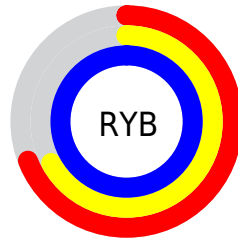
The Yxy color $45.3166, 0.2572, 0.2305$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $94.3698, 0.3584, 0.4139$, and the grayscale version is $46.4658, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.5629, 0.2999, 0.2986$, and $21.1717, 0.2419, 0.2074$ is the 20% darker color. If you saturate the color by 10%, you get $34.1502, 0.2370, 0.1957$, and if you desaturate by 10%, it is $58.8066, 0.2761, 0.2636$.

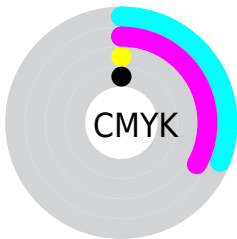
Distribution



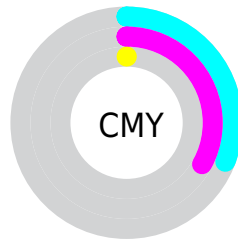
- Red (69%)
- Green (67%)
- Blue (100%)



- 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 45.3166, 0.2572, 0.2305 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 45.3166, 0.2572, 0.2305 by changing the saturation by 10% instead.

■ 45.3166, 0.2572,
0.2305

■ 45.3166, 0.2572,
0.2305

■ 368.0543, 0.2849,
0.2765

■ 31.7069, 0.2505,
0.2201

■ 83.1953, 0.2672,
0.2464

■ 21.1377, 0.2419,
0.2073

■ 108.2331, 0.2710,
0.2526

■ 13.2247, 0.2309,
0.1914

■ 137.8490, 0.2742,
0.2580

■ 7.5835, 0.2162,
0.1711

■ 172.4274, 0.2769,
0.2627

■ 3.8296, 0.1958,
0.1446

■ 212.3527, 0.2793,
0.2668

■ 1.5787, 0.1664,
0.1099

■ 258.0094, 0.2814,


■ 0.3432, 0.1248,


0.2704


0.0509

309.7818, 0.2833,
0.2736

 0.0000, 0.0000,
0.0000

 45.3166, 0.2572,
0.2305


 45.3166, 0.2572,
0.2305


 34.1502, 0.2370,
0.1957


 58.8066, 0.2761,
0.2636

 25.1773, 0.2162,
0.1606


 74.7430, 0.2931,
0.2938

 18.2527, 0.1962,
0.1277

 93.2381, 0.3082,
0.3207

 13.2141, 0.1786,
0.0995

100.0000, 0.3127,
0.3290

 9.8746, 0.1647,
0.0783

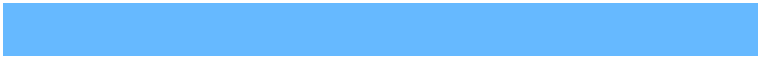
■ 8.0086, 0.1556,
0.0656

■ 7.3809, 0.1520,
0.0611

Harmonies

Analogous

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



45.3166, 0.2154, 0.2308



45.3166, 0.2572, 0.2305



45.3166, 0.3185, 0.2509

Triad

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



45.3166, 0.2572, 0.2305



45.3166, 0.4417, 0.3841



45.3166, 0.2407, 0.3723

Complementary

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



45.3166, 0.2572, 0.2305



94.3698, 0.3584, 0.4139

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.



45.3166, 0.2966, 0.4299



45.3166, 0.2572, 0.2305



45.3166, 0.4138, 0.4274

Square

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



45.3166, 0.2572, 0.2305



45.3166, 0.4317, 0.3345



45.3166, 0.3600, 0.4487



45.3166, 0.2062, 0.3051

Rectangle

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



45.3166, 0.2572, 0.2305



45.3166, 0.3634, 0.2739



45.3166, 0.3600, 0.4487



45.3166, 0.2575, 0.3943

Sweetspot

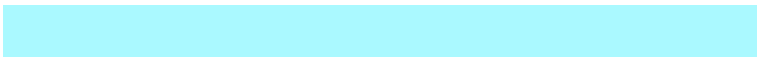
The Sweet Spot groups the original color and five complimentary colors.



45.3161, 0.2572, 0.2305



80.6269, 0.2984, 0.3031



83.7218, 0.2644, 0.3227



16.7197, 0.2962, 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.



45.3161, 0.2572, 0.2305



37.6268, 0.2438, 0.2074



50.8953, 0.2875, 0.2384



17.4497, 0.2991, 0.3045



3.8815, 0.1526, 0.0614



0.4014, 0.1582, 0.0645

Inverse Universe

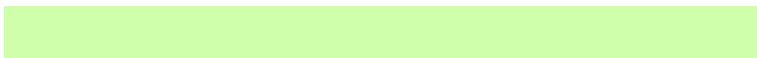
The Inverse Universe completely reimagines the original color for something new.



56.7794, 0.3221, 0.2521



50.7298, 0.3243, 0.2372



87.6622, 0.3308, 0.4221



18.2729, 0.3151, 0.3075



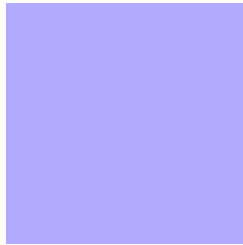
14.2196, 0.3430, 0.1663



1.3919, 0.3402, 0.1648

Previews

White Background



This preview shows how the Yxy color 45.3166, 0.2572, 0.2305 looks on a white background.

Color Contrast Check

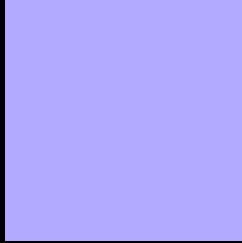
Large Text (above 18pt) WCAG AA × Fail

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 45.3166, 0.2572, 0.2305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

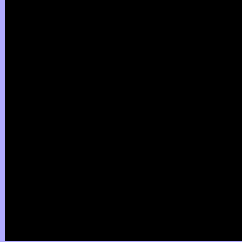
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3166, 0.2572, 0.2305

Background



This preview shows how black text looks on a background with the Yxy color 45.3166, 0.2572, 0.2305.



This preview shows how white text looks on a background with the Yxy color 45.3166, 0.2572, 0.2305.

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

45.3166, 0.2572, 0.2305

Protanopia

45.5343, 0.2433, 0.2353

Deuteranopia

45.3084, 0.2438, 0.2371



Tritanopia

45.4408, 0.2883, 0.3103

Trichromacy



Original Color

45.3166, 0.2572, 0.2305

Protanomaly

45.1735, 0.2478, 0.2328

Deuteranomaly

45.1092, 0.2483, 0.2337

Tritanomaly

45.2856, 0.2764, 0.2793

Monochromacy



Original Color

45.3166, 0.2572, 0.2305

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.1475, 0.2905, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3166, 0.2572, 0.2305 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(177, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 170, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.3166, 0.2572, 0.2305 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(177, 170, 255) }
```

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

```
.border{ border-color:rgb(177, 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(177, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 170, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 170, 255); box-shadow:4px 4px 4px 4px rgb(177, 170, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3166, 0.2572, 0.2305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 170, 255) }
```

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

```
.background{ background-color: rgb(177,  
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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