

Converting Colors

$Y_{xy}(49.7389, 0.2281, 0.1832)$

Have a look what the booklet for
Yxy(49.7389, 0.2281, 0.1832)
contains.

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Color

Yxy(45.0609, 0.2578, 0.2296)

Conversions

Conversions Part 1

Format	Color
Hex	B2A9FF
RGB	178, 169, 255
RGB Percent	70%, 66%, 100%
CMY	0.3019, 0.3372, 0.0002
CMYK	0.30, 0.34, 0.00, 0.00
HSL	246°, 100%, 83%
HSV	246°, 34%, 100%
XYZ	50.5954, 45.0609, 100.6020
YIQ	181.4950, -22.2420, 28.6540

Conversions

Conversions Part 2

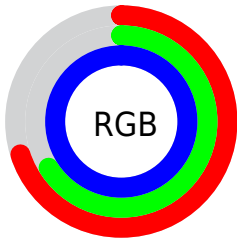
Format	Color
R _Y B	178, 169, 255
Decimal	11708927
CIE Lab	72.93, 21.90, -41.46
CIE LCh	73, 46.890, 297.837
Yxy	45.0609, 0.2578, 0.2296
Android (android.graphics.Color)	4289899007 (0xFFB2A9FF)
YUV	181.4950, 36.2380, -3.0651
Hunter-Lab	67.1274, 17.0663, -41.8671

Details

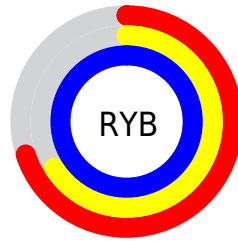
The Yxy color **45.0609, 0.2578, 0.2296** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.9400, 0.3576, 0.4152**, and the grayscale version is **46.3014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1935, 0.3006, 0.2977**, and **21.0108, 0.2426, 0.2062** is the 20% darker color. If you saturate the color by 10%, you get **34.0038, 0.2379, 0.1949**, and if you desaturate by 10%, it is **58.4200, 0.2763, 0.2625**.

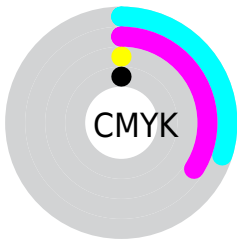
Distribution



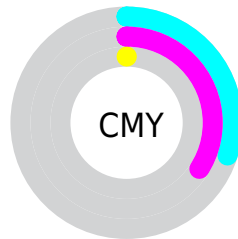
- Red (70%)
- Green (66%)
- Blue (100%)



- Red (70%)
- Yellow (66%)
- Blue (100%)



- Cyan (30%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (30%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0609, 0.2578, 0.2296 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 45.0609, 0.2578, 0.2296 by changing the saturation by 10% instead.

 45.0609, 0.2578,
0.2296

 45.0609, 0.2578,
0.2296


367.0201, 0.2853,
0.2760

 31.5054, 0.2511,
0.2191


 82.8118, 0.2677,
0.2457

 20.9840, 0.2426,
0.2062


 107.7760, 0.2715,
0.2519

 13.1123, 0.2317,
0.1902


137.3118, 0.2746,
0.2573

 7.5059, 0.2170,
0.1698

171.8038, 0.2774,
0.2620

 3.7805, 0.1966,
0.1432

211.6362, 0.2798,
0.2662

 1.5515, 0.1673,
0.1083

257.1934, 0.2818,

 0.3246, 0.1257,

0.2698

0.0484

308.8600, 0.2837,
0.2731

0.0000, 0.0000,
0.0000

45.0609, 0.2578,
0.2296

45.0609, 0.2578,
0.2296

34.0038, 0.2379,
0.1949

58.4200, 0.2763,
0.2625

25.1134, 0.2174,
0.1601

74.1957, 0.2930,
0.2927

18.2482, 0.1976,
0.1275

92.5013, 0.3078,
0.3198

13.2477, 0.1800,
0.0996

99.9973, 0.3127,
0.3290

9.9269, 0.1660,
0.0786

■ 8.0621, 0.1565,
0.0659

■ 7.4468, 0.1528,
0.0616

Harmonies

Analogous

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



45.0609, 0.2150, 0.2293



45.0609, 0.2578, 0.2296



45.0609, 0.3202, 0.2507

Triad

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



45.0609, 0.2578, 0.2296



45.0609, 0.4431, 0.3858



45.0609, 0.2386, 0.3711

Complementary

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



45.0609, 0.2578, 0.2296



93.9400, 0.3576, 0.4152

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.



45.0609, 0.2947, 0.4304



45.0609, 0.2578, 0.2296



45.0609, 0.4139, 0.4295

Square

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



45.0609, 0.2578, 0.2296



45.0609, 0.4342, 0.3357



45.0609, 0.3590, 0.4505



45.0609, 0.2043, 0.3031

Rectangle

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



45.0609, 0.2578, 0.2296



45.0609, 0.3657, 0.2742



45.0609, 0.3590, 0.4505



45.0609, 0.2553, 0.3937

Sweetspot

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



45.0626, 0.2578, 0.2296



80.7208, 0.2987, 0.3032



81.7850, 0.2635, 0.3194



16.7422, 0.2966, 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.



45.0626, 0.2578, 0.2296



37.8629, 0.2454, 0.2079



50.9010, 0.2894, 0.2379



17.4689, 0.2995, 0.3045



3.9220, 0.1535, 0.0619



0.4105, 0.1603, 0.0657

Inverse Universe

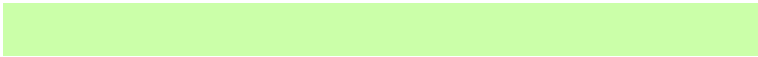
The Inverse Universe completely reimagines the original color for something new.



56.2802, 0.3237, 0.2529



50.5925, 0.3262, 0.2391



87.1084, 0.3291, 0.4238



18.2656, 0.3154, 0.3080



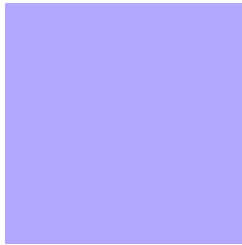
14.0563, 0.3493, 0.1698



1.3777, 0.3456, 0.1678

Previews

White Background



This preview shows how the Yxy color 45.0609, 0.2578, 0.2296 looks on a white background.

Color Contrast Check

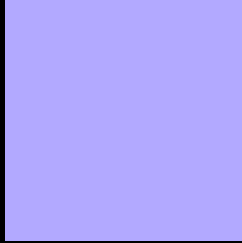
Large Text (above 18pt) WCAG AA × Fail

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 45.0609, 0.2578, 0.2296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

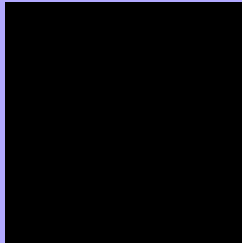
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0609, 0.2578, 0.2296

Background



This preview shows how black text looks on a background with the Yxy color 45.0609, 0.2578, 0.2296.



This preview shows how white text looks on a background with the Yxy color 45.0609, 0.2578, 0.2296.

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

45.0609, 0.2578, 0.2296

Protanopia

45.1407, 0.2432, 0.2340

Deuteranopia

45.2115, 0.2432, 0.2369



Tritanopia

45.0949, 0.2897, 0.3103

Trichromacy



Original Color

45.0609, 0.2578, 0.2296

Protanomaly

44.8937, 0.2483, 0.2317

Deuteranomaly

45.0049, 0.2477, 0.2336

Tritanomaly

45.0001, 0.2770, 0.2781

Monochromacy



Original Color

45.0609, 0.2578, 0.2296

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.7016, 0.2912, 0.2898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0609, 0.2578, 0.2296 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(178, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 169, 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(178, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 169, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.0609, 0.2578, 0.2296 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(178, 169, 255) }
```

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

```
.border{ border-color:rgb(178, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 169,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0609, 0.2578, 0.2296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 169, 255) }
```

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

```
.background{ background-color: rgb(178,  
169, 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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