

Converting Colors

$Y_{xy}(48.3609, 0.2386, 0.2013)$

Have a look what the booklet for
Yxy(48.3609, 0.2386, 0.2013)
contains.

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Color

Yxy(45.8108, 0.2580, 0.2319)

Conversions

Conversions Part 1

Format	Color
Hex	B2ABFF
RGB	178, 171, 255
RGB Percent	70%, 67%, 100%
CMY	0.3021, 0.3294, 0.0000
CMYK	0.30, 0.33, 0.00, 0.00
HSL	245°, 100%, 84%
HSV	245°, 33%, 100%
XYZ	50.9667, 45.8108, 100.7680
YIQ	182.6690, -22.7920, 27.6080

Conversions

Conversions Part 2

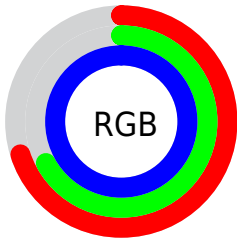
Format	Color
RYB	178, 171, 255
Decimal	11709439
CIELab	73.42, 20.77, -40.73
CIElCh	73, 45.716, 297.021
Yxy	45.8108, 0.2580, 0.2319
Android (android.graphics.Color)	4289899519 (0xFFB2ABFF)
YUV	182.6690, 35.6592, -4.0947
Hunter-Lab	67.6837, 15.9665, -40.8928

Details

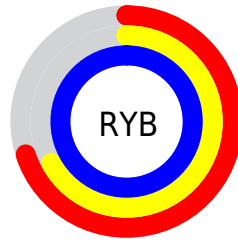
The Yxy color **45.8108, 0.2580, 0.2319** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **94.4269, 0.3578, 0.4129**, and the grayscale version is **46.9722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2749, 0.3006, 0.2997**, and **21.4818, 0.2430, 0.2092** is the 20% darker color. If you saturate the color by 10%, you get **34.5550, 0.2378, 0.1971**, and if you desaturate by 10%, it is **59.3993, 0.2768, 0.2648**.

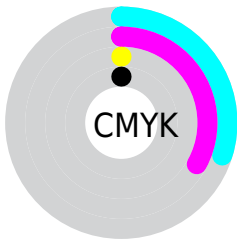
Distribution



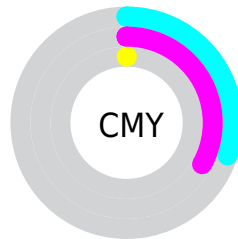
- Red (70%)
- Green (67%)
- Blue (100%)



- Red (70%)
- Yellow (67%)
- Blue (100%)



- Cyan (30%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8108, 0.2580, 0.2319 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 45.8108, 0.2580, 0.2319 by changing the saturation by 10% instead.

■ 45.8108, 0.2580,
0.2319

■ 45.8108, 0.2580,
0.2319

370.0475, 0.2853,
0.2772

■ 32.0965, 0.2514,
0.2216

■ 83.9358, 0.2678,
0.2476

■ 21.4353, 0.2430,
0.2090

109.1153, 0.2715,
0.2537

■ 13.4425, 0.2322,
0.1933

138.8853, 0.2747,
0.2590

■ 7.7340, 0.2177,
0.1733

173.6303, 0.2774,
0.2636

■ 3.9252, 0.1977,
0.1471

213.7346, 0.2798,
0.2676

■ 1.6318, 0.1687,
0.1126

259.5827, 0.2819,


■ 0.3789, 0.1274,


0.2712


0.0556

311.5588, 0.2837,
0.2744


 0.0000, 0.0000,
0.0000

 45.8108, 0.2580,
0.2319


 45.8108, 0.2580,
0.2319


 34.5550, 0.2378,
0.1971


 59.3993, 0.2768,
0.2648


 25.4965, 0.2170,
0.1620


 75.4371, 0.2938,
0.2949

 18.4925, 0.1970,
0.1289

 94.0382, 0.3087,
0.3218

 13.3815, 0.1792,
0.1005

 100.0000, 0.3127,
0.3290

 9.9779, 0.1652,
0.0790

■ 8.0580, 0.1558,
0.0659

■ 7.3805, 0.1520,
0.0611

Harmonies

Analogous

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



45.8108, 0.2168, 0.2324



45.8108, 0.2580, 0.2319



45.8108, 0.3183, 0.2519

Triad

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



45.8108, 0.2580, 0.2319



45.8108, 0.4396, 0.3834



45.8108, 0.2420, 0.3717

Complementary

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



45.8108, 0.2580, 0.2319



94.4269, 0.3578, 0.4129

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.



45.8108, 0.2971, 0.4280



45.8108, 0.2580, 0.2319



45.8108, 0.4124, 0.4259

Square

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



45.8108, 0.2580, 0.2319



45.8108, 0.4297, 0.3344



45.8108, 0.3595, 0.4467



45.8108, 0.2079, 0.3057

Rectangle

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



45.8108, 0.2580, 0.2319



45.8108, 0.3624, 0.2747



45.8108, 0.3595, 0.4467



45.8108, 0.2586, 0.3932

Sweetspot

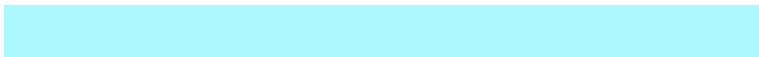
The Sweet Spot groups the original color and five complimentary colors.



45.8122, 0.2580, 0.2319



80.6263, 0.2984, 0.3031



83.8792, 0.2649, 0.3227



16.7196, 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.



45.8122, 0.2580, 0.2319



37.6251, 0.2438, 0.2074



51.3507, 0.2879, 0.2396



17.4495, 0.2991, 0.3045



3.8812, 0.1526, 0.0614



0.4014, 0.1581, 0.0645

Inverse Universe

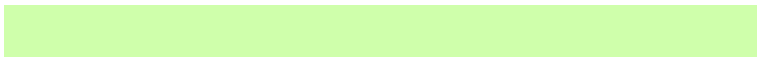
The Inverse Universe completely reimagines the original color for something new.



57.1722, 0.3220, 0.2530



50.7308, 0.3243, 0.2372



87.7852, 0.3306, 0.4209



18.2729, 0.3151, 0.3075



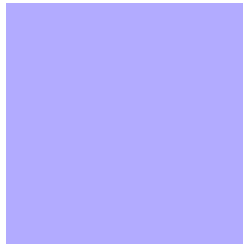
14.2208, 0.3429, 0.1663



1.3920, 0.3401, 0.1647

Previews

White Background



This preview shows how the Yxy color 45.8108, 0.2580, 0.2319 looks on a white background.

Color Contrast Check

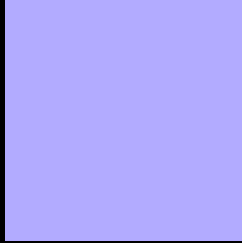
Large Text (above 18pt) WCAG AA × Fail

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 45.8108, 0.2580, 0.2319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

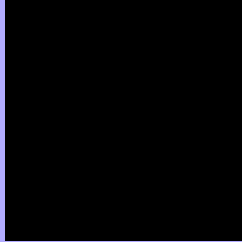
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8108, 0.2580, 0.2319

Background



This preview shows how black text looks on a background with the Yxy color 45.8108, 0.2580, 0.2319.



This preview shows how white text looks on a background with the Yxy color 45.8108, 0.2580, 0.2319.

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

45.8108, 0.2580, 0.2319

Protanopia

46.1287, 0.2448, 0.2368

Deuteranopia

45.8027, 0.2446, 0.2385



Tritanopia

46.0052, 0.2884, 0.3104

Trichromacy



Original Color

45.8108, 0.2580, 0.2319

Protanomaly

45.7725, 0.2493, 0.2343

Deuteranomaly

45.6022, 0.2492, 0.2351

Tritanomaly

45.8482, 0.2766, 0.2796

Monochromacy



Original Color

45.8108, 0.2580, 0.2319

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.6674, 0.2914, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8108, 0.2580, 0.2319 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, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 171, 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, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.8108, 0.2580, 0.2319 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, 171, 255) }
```

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

```
.border{ border-color:rgb(178, 171, 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, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8108, 0.2580, 0.2319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 171, 255) }
```

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

```
.background{ background-color: rgb(178,  
171, 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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