

Converting Colors

$Y_{xy}(41.7582, 0.2796, 0.2579)$

Have a look what the booklet for
Yxy(41.7582, 0.2796, 0.2579)
contains.

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Color

Yxy(41.7679, 0.2796, 0.2582)

Conversions

Conversions Part 1

Format	Color
Hex	B3A5DE
RGB	179, 165, 222
RGB Percent	70%, 65%, 87%
CMY	0.2980, 0.3529, 0.1295
CMYK	0.19, 0.26, 0.00, 0.13
HSL	255°, 46%, 76%
HSV	255°, 26%, 87%
XYZ	45.2297, 41.7679, 74.7681
YIQ	175.6840, -9.9530, 20.6950

Conversions

Conversions Part 2

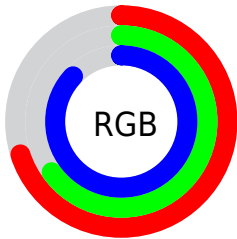
Format	Color
R _Y B	179, 165, 222
Decimal	11773406
CIE Lab	70.71, 16.61, -26.95
CIE LCh	71, 31.653, 301.646
Yxy	41.7679, 0.2796, 0.2582
Android (android.graphics.Color)	4289963486 (0xFFB3A5DE)
YUV	175.6840, 22.8338, 2.9081
Hunter-Lab	64.6281, 11.8233, -23.3528

Details

The Yxy color **41.7679, 0.2796, 0.2582** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **68.3517, 0.3406, 0.3952**, and the grayscale version is **43.1273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0686, 0.3006, 0.2935**, and **18.9602, 0.2688, 0.2388** is the 20% darker color. If you saturate the color by 10%, you get **32.5696, 0.2636, 0.2264**, and if you desaturate by 10%, it is **52.6014, 0.2939, 0.2879**.

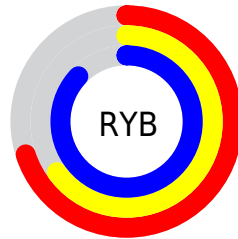
Distribution



Red (70%)

Green (65%)

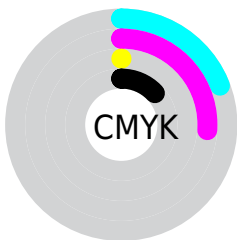
Blue (87%)



Red (70%)

Yellow (65%)

Blue (87%)

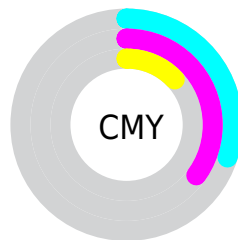


Cyan (19%)

Magenta (26%)

Yellow (0%)

Black (13%)



Cyan (30%)

Magenta (35%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7679, 0.2796, 0.2582 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 41.7679, 0.2796, 0.2582 by changing the saturation by 10% instead.

■ 41.7679, 0.2796,
0.2582

■ 41.7679, 0.2796,
0.2582

■ 353.5199, 0.2967,
0.2926

■ 28.9196, 0.2752,
0.2500

■ 77.8482, 0.2859,
0.2704

■ 19.0200, 0.2696,
0.2397

■ 101.8490, 0.2882,
0.2751

■ 11.6847, 0.2621,
0.2264

■ 130.3362, 0.2902,
0.2791

■ 6.5294, 0.2515,
0.2086

■ 163.6939, 0.2919,
0.2825

■ 3.1696, 0.2358,
0.1839

■ 202.3068, 0.2933,
0.2855

■ 1.2209, 0.2106,
0.1479

■ 246.5592, 0.2946,

■ 0.0787, 0.1645,

0.2881

0.0270

296.8354, 0.2957,
0.2905

■ 0.0000, 0.0000,
0.0000

■ 41.7679, 0.2796,
0.2582

■ 41.7679, 0.2796,
0.2582

■ 32.5696, 0.2636,
0.2264

■ 52.6014, 0.2939,
0.2879

■ 24.9209, 0.2463,
0.1933

■ 65.1399, 0.3064,
0.3149

■ 18.7363, 0.2281,
0.1606

■ 79.4550, 0.3172,
0.3391

■ 13.9195, 0.2100,
0.1301

■ 95.6131, 0.3264,
0.3606

■ 10.3624, 0.1931,
0.1039

■ 98.0527, 0.3322,
0.3612

■ 7.9402, 0.1785,
0.0840

■ 6.5005, 0.1672,
0.0712

■ 6.0732, 0.1632,
0.0673

Harmonies

Analogous

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



41.7679, 0.2459, 0.2568



41.7679, 0.2796, 0.2582



41.7679, 0.3248, 0.2754

Triad

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



41.7679, 0.2796, 0.2582



41.7679, 0.4027, 0.3764



41.7679, 0.2569, 0.3524

Complementary

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



41.7679, 0.2796, 0.2582



68.3517, 0.3406, 0.3952

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.



41.7679, 0.2960, 0.3928



41.7679, 0.2796, 0.2582



41.7679, 0.3809, 0.4037

Square

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



41.7679, 0.2796, 0.2582



41.7679, 0.3989, 0.3406



41.7679, 0.3414, 0.4117



41.7679, 0.2334, 0.3074

Rectangle

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



41.7679, 0.2796, 0.2582



41.7679, 0.3556, 0.2939



41.7679, 0.3414, 0.4117



41.7679, 0.2685, 0.3673

Sweetspot

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



41.7696, 0.2796, 0.2582



84.8661, 0.3036, 0.3087



58.7178, 0.2737, 0.3126



17.5934, 0.3017, 0.3047



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.



41.7696, 0.2796, 0.2582



49.9051, 0.2709, 0.2407



45.4185, 0.3027, 0.2628



13.4053, 0.3019, 0.3050



3.6520, 0.1644, 0.0679



0.2947, 0.1799, 0.0765

Inverse Universe

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



46.9899, 0.3276, 0.2801



58.3217, 0.3316, 0.2692



64.6736, 0.3200, 0.3997



13.8750, 0.3175, 0.3115



10.9090, 0.3945, 0.1947



0.7700, 0.3808, 0.1871

Previews

White Background



This preview shows how the Yxy color 41.7679, 0.2796, 0.2582 looks on a white background.

Color Contrast Check

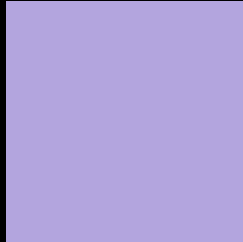
Large Text (above 18pt) WCAG AA × Fail

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 41.7679, 0.2796, 0.2582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

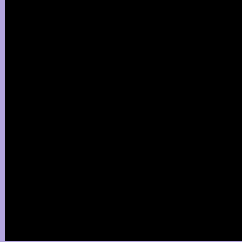
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7679, 0.2796, 0.2582

Background



This preview shows how black text looks on a background with the Yxy color 41.7679, 0.2796, 0.2582.



This preview shows how white text looks on a background with the Yxy color 41.7679, 0.2796, 0.2582.

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

41.7679, 0.2796, 0.2582

Protanopia

41.8859, 0.2615, 0.2584

Deuteranopia

41.9692, 0.2698, 0.2637



Tritanopia

41.7785, 0.3021, 0.3115

Trichromacy



Original Color

41.7679, 0.2796, 0.2582

Protanomaly

41.9192, 0.2678, 0.2580

Deuteranomaly

41.7718, 0.2734, 0.2618

Tritanomaly

41.5671, 0.2944, 0.2910

Monochromacy



Original Color

41.7679, 0.2796, 0.2582

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.7024, 0.3001, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7679, 0.2796, 0.2582 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(179, 165, 222)` looks like.

```
.text, #text, p{  
    color:rgb(179, 165, 222)  
}
```

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(179, 165, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 165, 222) }
```

Border

The CSS property to change the border of an element to Yxy 41.7679, 0.2796, 0.2582 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(179, 165, 222) }
```

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

```
.border{ border-color:rgb(179, 165, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 165, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 165, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 165, 222);  
box-shadow:4px 4px 4px 4px rgb(179, 165,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7679, 0.2796, 0.2582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 165, 222) }
```

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

```
.background{ background-color: rgb(179,  
165, 222) }
```

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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