

Converting Colors

$Y_{xy}(41.0836, 0.2782, 0.2719)$

Have a look what the booklet for
Yxy(41.0836, 0.2782, 0.2719)
contains.

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Color

Yxy(41.0836, 0.2782, 0.2719)

Conversions

Conversions Part 1

Format	Color
Hex	A8A8D4
RGB	168, 168, 212
RGB Percent	66%, 66%, 83%
CMY	0.3411, 0.3412, 0.1688
CMYK	0.21, 0.21, 0.00, 0.17
HSL	240°, 34%, 75%
HSV	240°, 21%, 83%
XYZ	42.0355, 41.0836, 67.9791
YIQ	173.0160, -14.1240, 13.6840

Conversions

Conversions Part 2

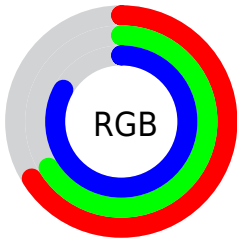
Format	Color
RYB	168, 168, 212
Decimal	11053268
CIELab	70.23, 9.25, -22.26
CIELCh	70, 24.100, 292.557
Yxy	41.0836, 0.2782, 0.2719
Android (android.graphics.Color)	4289243348 (0xFFA8A8D4)
YUV	173.0160, 19.2191, -4.3990
Hunter-Lab	64.0965, 4.8943, -18.0139

Details

The Yxy color $41.0836, 0.2782, 0.2719$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $63.8854, 0.3438, 0.3804$, and the grayscale version is $41.7056, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.8426, 0.2933, 0.2959$, and $18.5699, 0.2679, 0.2564$ is the 20% darker color. If you saturate the color by 10%, you get $31.7471, 0.2585, 0.2394$, and if you desaturate by 10%, it is $52.0778, 0.2960, 0.3013$.

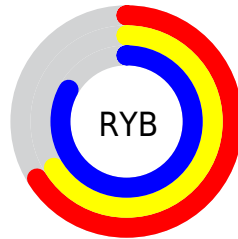
Distribution



Red (66%)

Green (66%)

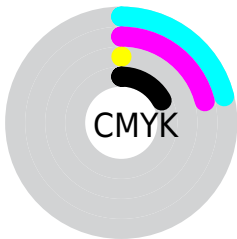
Blue (83%)



Red (66%)

Yellow (66%)

Blue (83%)

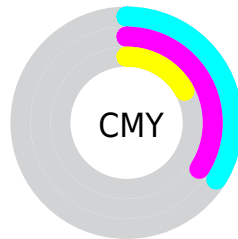


Cyan (21%)

Magenta (21%)

Yellow (0%)

Black (17%)



Cyan (34%)

Magenta (34%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0836, 0.2782, 0.2719 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 41.0836, 0.2782, 0.2719 by changing the saturation by 10% instead.

■ 41.0836, 0.2782,
0.2719

■ 41.0836, 0.2782,
0.2719

■ 350.6699, 0.2958,
0.3002

■ 28.3844, 0.2737,
0.2650

■ 76.8108, 0.2847,
0.2821

■ 18.6156, 0.2679,
0.2562

■ 100.6076, 0.2871,
0.2859

■ 11.3929, 0.2602,
0.2447

■ 128.8724, 0.2891,
0.2892

■ 6.3317, 0.2493,
0.2289

■ 161.9895, 0.2909,
0.2920

■ 3.0478, 0.2331,
0.2064

■ 200.3435, 0.2924,
0.2944

■ 1.1568, 0.2067,
0.1718

■ 244.3186, 0.2937,

■ 0.0260, 0.1250,

0.2966

0.0130

294.2993, 0.2948,
0.2985

0.0000, 0.0000,
0.0000

41.0836, 0.2782,
0.2719

41.0836, 0.2782,
0.2719

31.7471, 0.2585,
0.2394

52.0778, 0.2960,
0.3013

23.9833, 0.2375,
0.2045

64.7994, 0.3116,
0.3272

17.7071, 0.2159,
0.1689

79.3200, 0.3253,
0.3498

12.8236, 0.1953,
0.1347

95.7059, 0.3370,
0.3692

9.2267, 0.1771,
0.1048

97.5318, 0.3382,
0.3711

■ 6.7953, 0.1631,
0.0816

■ 5.3850, 0.1542,
0.0669

■ 4.7527, 0.1500,
0.0600

Harmonies

Analogous

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



41.0836, 0.2553, 0.2755



41.0836, 0.2782, 0.2719



41.0836, 0.3114, 0.2818

Triad

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



41.0836, 0.2782, 0.2719



41.0836, 0.3829, 0.3587



41.0836, 0.2781, 0.3571

Complementary

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



41.0836, 0.2782, 0.2719



63.8854, 0.3438, 0.3804

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.



41.0836, 0.3109, 0.3833



41.0836, 0.2782, 0.2719



41.0836, 0.3722, 0.3819

Square

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



41.0836, 0.2782, 0.2719



41.0836, 0.3735, 0.3301



41.0836, 0.3455, 0.3920



41.0836, 0.2552, 0.3231

Rectangle

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



41.0836, 0.2782, 0.2719



41.0836, 0.3354, 0.2947



41.0836, 0.3455, 0.3920



41.0836, 0.2883, 0.3673

Sweetspot

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



41.0853, 0.2782, 0.2719



87.8382, 0.3036, 0.3138



60.1470, 0.2820, 0.3289



18.5304, 0.3025, 0.3121



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.



41.0853, 0.2782, 0.2719



55.7049, 0.2695, 0.2576



43.7023, 0.2962, 0.2748



12.0091, 0.2981, 0.3049



2.9353, 0.1500, 0.0600



0.1772, 0.1501, 0.0601

Inverse Universe

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



46.7479, 0.3151, 0.2779



65.8481, 0.3157, 0.2666



60.8425, 0.3265, 0.3833



12.6326, 0.3138, 0.3060



11.5714, 0.3211, 0.1542



0.6980, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 41.0836, 0.2782, 0.2719 looks on a white background.

Color Contrast Check

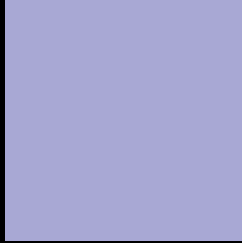
Large Text (above 18pt) WCAG AA × Fail

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 41.0836, 0.2782, 0.2719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

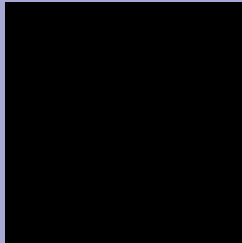
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0836, 0.2782, 0.2719

Background



This preview shows how black text looks on a background with the Yxy color 41.0836, 0.2782, 0.2719.



This preview shows how white text looks on a background with the Yxy color 41.0836, 0.2782, 0.2719.

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

41.0836, 0.2782, 0.2719

Protanopia

41.1306, 0.2722, 0.2725

Deuteranopia

41.0836, 0.2782, 0.2719



Tritanopia

41.2188, 0.2937, 0.3111

Trichromacy



Original Color

41.0836, 0.2782, 0.2719

Protanomaly

41.0725, 0.2744, 0.2715

Deuteranomaly

41.0836, 0.2782, 0.2719

Tritanomaly

41.0653, 0.2884, 0.2966

Monochromacy



Original Color

41.0836, 0.2782, 0.2719

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.3716, 0.2997, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0836, 0.2782, 0.2719 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(168, 168, 212)` looks like.

```
.text, #text, p{  
    color:rgb(168, 168, 212)  
}
```

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(168, 168, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 168, 212) }
```

Border

The CSS property to change the border of an element to Yxy 41.0836, 0.2782, 0.2719 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(168, 168, 212) }
```

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

```
.border{ border-color:rgb(168, 168, 212) }
```

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

Here you see how a box with a 4 pixel rgb(168, 168, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 168, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 168, 212);  
box-shadow:4px 4px 4px 4px rgb(168, 168,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0836, 0.2782, 0.2719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 168, 212) }
```

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

```
.background{ background-color: rgb(168,  
168, 212) }
```

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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