

Converting Colors

Yxy(42.4356, 0.2655, 0.2429)

Have a look what the booklet for
Yxy(42.4356, 0.2655, 0.2429)
contains.

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Color

Yxy(42.3855, 0.2656, 0.2427)

Conversions

Conversions Part 1

Format	Color
Hex	AEA6ED
RGB	174, 166, 237
RGB Percent	68%, 65%, 93%
CMY	0.3175, 0.3491, 0.0705
CMYK	0.27, 0.30, 0.00, 0.07
HSL	247°, 66%, 79%
HSV	247°, 30%, 93%
XYZ	46.3848, 42.3855, 85.8712
YIQ	176.4860, -18.0230, 23.7770

Conversions

Conversions Part 2

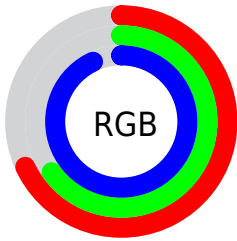
Format	Color
RYB	174, 166, 237
Decimal	11445997
CIELab	71.14, 18.07, -34.55
CIELCh	71, 38.988, 297.611
Yxy	42.3855, 0.2656, 0.2427
Android (android.graphics.Color)	4289636077 (0xFFAEA6ED)
YUV	176.4860, 29.8334, -2.1802
Hunter-Lab	65.1041, 13.2437, -32.6296

Details

The Yxy color $42.3855, 0.2656, 0.2427$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $79.9868, 0.3521, 0.4054$, and the grayscale version is $43.5342, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.9218, 0.2979, 0.2943$, and $19.3639, 0.2519, 0.2207$ is the 20% darker color. If you saturate the color by 10%, you get $32.3214, 0.2464, 0.2088$, and if you desaturate by 10%, it is $54.4186, 0.2832, 0.2745$.

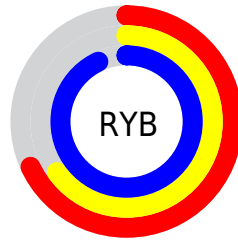
Distribution



Red (68%)

Green (65%)

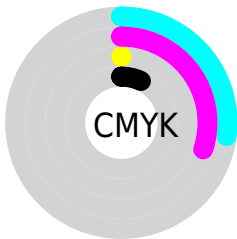
Blue (93%)



Red (68%)

Yellow (65%)

Blue (93%)

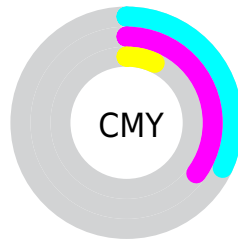


Cyan (27%)

Magenta (30%)

Yellow (0%)

Black (7%)



Cyan (32%)

Magenta (35%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3855, 0.2656, 0.2427 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 42.3855, 0.2656, 0.2427 by changing the saturation by 10% instead.

■ 42.3855, 0.2656,
0.2427

■ 42.3855, 0.2656,
0.2427

■ 356.0785, 0.2895,
0.2840

■ 29.4033, 0.2596,
0.2331

■ 78.7827, 0.2743,
0.2572

■ 19.3861, 0.2520,
0.2211

■ 102.9665, 0.2776,
0.2628

■ 11.9496, 0.2419,
0.2058

■ 131.6529, 0.2804,
0.2676

■ 6.7094, 0.2282,
0.1859

■ 165.2264, 0.2827,
0.2718

■ 3.2810, 0.2085,
0.1591

■ 204.0713, 0.2848,
0.2754

■ 1.2801, 0.1787,
0.1222

■ 248.5720, 0.2866,

■ 0.1258, 0.1313,

0.2786

0.0295

299.1130, 0.2881,
0.2814

■ 0.0000, 0.0000,
0.0000

■ 42.3855, 0.2656,
0.2427

■ 42.3855, 0.2656,
0.2427

■ 32.3214, 0.2464,
0.2088

■ 54.4186, 0.2832,
0.2745

■ 24.1163, 0.2262,
0.1740

■ 68.5126, 0.2990,
0.3034

■ 17.6573, 0.2061,
0.1404

■ 84.7598, 0.3128,
0.3291

■ 12.8169, 0.1876,
0.1104

■ 98.8955, 0.3232,
0.3463

■ 9.4503, 0.1719,
0.0865

■ 7.3862, 0.1604,
0.0704

■ 6.3489, 0.1534,
0.0619

■ 6.3463, 0.1534,
0.0618

Harmonies

Analogous

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



42.3855, 0.2281, 0.2432



42.3855, 0.2656, 0.2427



42.3855, 0.3192, 0.2610

Triad

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



42.3855, 0.2656, 0.2427



42.3855, 0.4241, 0.3793



42.3855, 0.2499, 0.3652

Complementary

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



42.3855, 0.2656, 0.2427



79.9868, 0.3521, 0.4054

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.



42.3855, 0.2987, 0.4138



42.3855, 0.2656, 0.2427



42.3855, 0.4003, 0.4157

Square

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



42.3855, 0.2656, 0.2427



42.3855, 0.4155, 0.3357



42.3855, 0.3538, 0.4316



42.3855, 0.2195, 0.3084

Rectangle

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



42.3855, 0.2656, 0.2427



42.3855, 0.3576, 0.2816



42.3855, 0.3538, 0.4316



42.3855, 0.2646, 0.3836

Sweetspot

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



42.3872, 0.2656, 0.2427



82.5637, 0.3004, 0.3059



70.7687, 0.2686, 0.3206



17.1110, 0.2982, 0.3019



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.



42.3872, 0.2656, 0.2427



42.4374, 0.2539, 0.2219



46.8830, 0.2927, 0.2490



14.6306, 0.2997, 0.3048



3.4922, 0.1541, 0.0623



0.3013, 0.1630, 0.0671

Inverse Universe

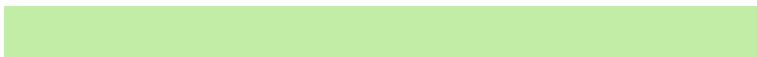
The Inverse Universe completely reimagines the original color for something new.



50.9330, 0.3228, 0.2622



54.0941, 0.3252, 0.2485



74.8550, 0.3275, 0.4118



15.2827, 0.3155, 0.3084



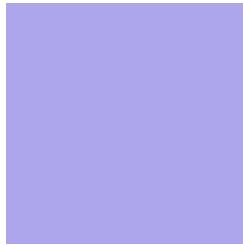
12.3873, 0.3516, 0.1711



0.9811, 0.3468, 0.1684

Previews

White Background



This preview shows how the Yxy color 42.3855, 0.2656, 0.2427 looks on a white background.

Color Contrast Check

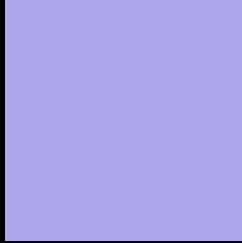
Large Text (above 18pt) WCAG AA × Fail

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 42.3855, 0.2656, 0.2427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

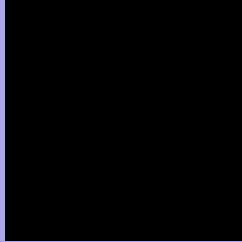
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3855, 0.2656, 0.2427

Background



This preview shows how black text looks on a background with the Yxy color 42.3855, 0.2656, 0.2427.



This preview shows how white text looks on a background with the Yxy color 42.3855, 0.2656, 0.2427.

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

42.3855, 0.2656, 0.2427

Protanopia

42.6282, 0.2493, 0.2428

Deuteranopia

42.6291, 0.2542, 0.2485



Tritanopia

42.3334, 0.2931, 0.3100

Trichromacy



Original Color

42.3855, 0.2656, 0.2427

Protanomaly

42.6178, 0.2550, 0.2425

Deuteranomaly

42.5921, 0.2588, 0.2470

Tritanomaly

42.2861, 0.2828, 0.2844

Monochromacy



Original Color

42.3855, 0.2656, 0.2427

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.6962, 0.2945, 0.2950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3855, 0.2656, 0.2427 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(174, 166, 237)` looks like.

```
.text, #text, p{  
    color:rgb(174, 166, 237)  
}
```

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(174, 166, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 166, 237) }
```

Border

The CSS property to change the border of an element to Yxy 42.3855, 0.2656, 0.2427 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(174, 166, 237) }
```

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

```
.border{ border-color:rgb(174, 166, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 166, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 166, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 166, 237);  
box-shadow:4px 4px 4px 4px rgb(174, 166,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3855, 0.2656, 0.2427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 166, 237) }
```

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

```
.background{ background-color: rgb(174,  
166, 237) }
```

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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