

Converting Colors

$Y_{xy}(42.1118, 0.2678, 0.2466)$

Have a look what the booklet for
Yxy(42.1118, 0.2678, 0.2466)
contains.

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Color

Yxy(42.1543, 0.2682, 0.2469)

Conversions

Conversions Part 1

Format	Color
Hex	AEA6E9
RGB	174, 166, 233
RGB Percent	68%, 65%, 91%
CMY	0.3178, 0.3489, 0.0864
CMYK	0.25, 0.29, 0.00, 0.09
HSL	247°, 60%, 78%
HSV	247°, 29%, 91%
XYZ	45.7909, 42.1543, 82.7891
YIQ	176.0300, -16.7390, 22.5330

Conversions

Conversions Part 2

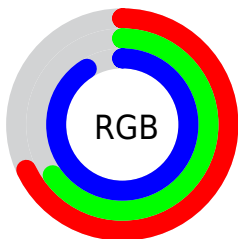
Format	Color
RYB	174, 166, 233
Decimal	11445993
CIELab	70.98, 17.07, -32.58
CIELCh	71, 36.782, 297.644
Yxy	42.1543, 0.2682, 0.2469
Android (android.graphics.Color)	4289636073 (0xFFAEA6E9)
YUV	176.0300, 28.0862, -1.7803
Hunter-Lab	64.9263, 12.2705, -30.1536

Details

The Yxy color **42.1543, 0.2682, 0.2469** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **77.0232, 0.3502, 0.4022**, and the grayscale version is **43.2888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7559, 0.2973, 0.2942**, and **19.2020, 0.2551, 0.2258** is the 20% darker color. If you saturate the color by 10%, you get **32.2583, 0.2493, 0.2133**, and if you desaturate by 10%, it is **53.9481, 0.2855, 0.2783**.

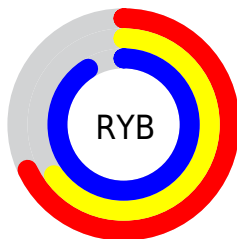
Distribution



Red (68%)

Green (65%)

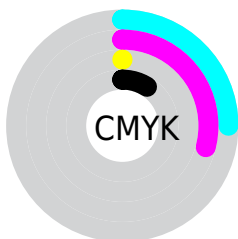
Blue (91%)



Red (68%)

Yellow (65%)

Blue (91%)

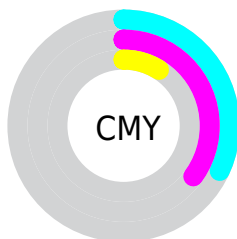


Cyan (25%)

Magenta (29%)

Yellow (0%)

Black (9%)



Cyan (32%)


Magenta (35%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1543, 0.2682, 0.2469 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 42.1543, 0.2682, 0.2469 by changing the saturation by 10% instead.


 42.1543, 0.2682,
0.2469


 42.1543, 0.2682,
0.2469


355.1222, 0.2909,
0.2864

 29.2221, 0.2625,
0.2376

 78.4331, 0.2765,
0.2608

 19.2489, 0.2552,
0.2260


 102.5485, 0.2796,
0.2662

 11.8503, 0.2456,
0.2112

131.1605, 0.2822,
0.2708

 6.6418, 0.2324,
0.1918

164.6534, 0.2844,
0.2747

 3.2391, 0.2133,
0.1654

203.4116, 0.2864,
0.2782

 1.2578, 0.1841,
0.1284

247.8195, 0.2881,


 0.1082, 0.1350,


0.2813

0.0281


298.2616, 0.2896,
0.2840


 0.0000, 0.0000,
0.0000

 42.1543, 0.2682,
0.2469

 42.1543, 0.2682,
0.2469

 32.2583, 0.2493,
0.2133


 53.9481, 0.2855,
0.2783


 24.1559, 0.2293,
0.1786


 67.7265, 0.3009,
0.3067

 17.7406, 0.2092,
0.1448

 83.5772, 0.3143,
0.3320

 12.8922, 0.1904,
0.1143

 98.6613, 0.3256,
0.3503

 9.4750, 0.1743,
0.0895

■ 7.3293, 0.1621,
0.0723

■ 6.2253, 0.1544,
0.0629

■ 6.1237, 0.1537,
0.0620

Harmonies

Analogous

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



42.1543, 0.2324, 0.2475



42.1543, 0.2682, 0.2469



42.1543, 0.3190, 0.2643

Triad

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



42.1543, 0.2682, 0.2469



42.1543, 0.4181, 0.3773



42.1543, 0.2533, 0.3632

Complementary

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



42.1543, 0.2682, 0.2469



77.0232, 0.3502, 0.4022

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.



42.1543, 0.2996, 0.4087



42.1543, 0.2682, 0.2469



42.1543, 0.3958, 0.4114

Square

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



42.1543, 0.2682, 0.2469



42.1543, 0.4098, 0.3358



42.1543, 0.3519, 0.4258



42.1543, 0.2241, 0.3098

Rectangle

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



42.1543, 0.2682, 0.2469



42.1543, 0.3553, 0.2841



42.1543, 0.3519, 0.4258



42.1543, 0.2673, 0.3804

Sweetspot

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



42.1560, 0.2682, 0.2469



82.5856, 0.3004, 0.3059



67.9257, 0.2701, 0.3197



17.1163, 0.2983, 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.



42.1560, 0.2682, 0.2469



44.8724, 0.2581, 0.2288



46.4697, 0.2947, 0.2528



14.6346, 0.2998, 0.3048



3.5033, 0.1544, 0.0624



0.3032, 0.1636, 0.0675

Inverse Universe

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



50.0343, 0.3226, 0.2654



55.9504, 0.3248, 0.2533



72.1784, 0.3261, 0.4082



15.2812, 0.3156, 0.3085



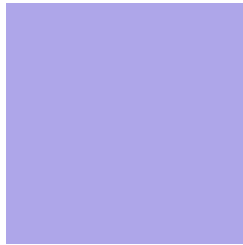
12.3518, 0.3533, 0.1720



0.9786, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 42.1543, 0.2682, 0.2469 looks on a white background.

Color Contrast Check

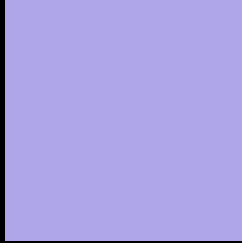
Large Text (above 18pt) WCAG AA × Fail

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 42.1543, 0.2682, 0.2469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

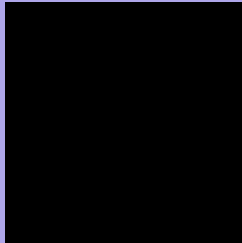
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1543, 0.2682, 0.2469

Background



This preview shows how black text looks on a background with the Yxy color 42.1543, 0.2682, 0.2469.



This preview shows how white text looks on a background with the Yxy color 42.1543, 0.2682, 0.2469.

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

42.1543, 0.2682, 0.2469

Protanopia

42.1103, 0.2521, 0.2459

Deuteranopia

42.2211, 0.2578, 0.2518



Tritanopia

42.2901, 0.2939, 0.3113

Trichromacy



Original Color

42.1543, 0.2682, 0.2469

Protanomaly

42.0091, 0.2572, 0.2454

Deuteranomaly

42.0946, 0.2618, 0.2501

Tritanomaly

42.1895, 0.2842, 0.2869

Monochromacy



Original Color

42.1543, 0.2682, 0.2469

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.6502, 0.2953, 0.2962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1543, 0.2682, 0.2469 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(174, 166, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 166, 233) }
```

Border

The CSS property to change the border of an element to Yxy 42.1543, 0.2682, 0.2469 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, 233) }
```

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

```
.border{ border-color:rgb(174, 166, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 166, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 166, 233);  
box-shadow:4px 4px 4px 4px rgb(174, 166,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1543, 0.2682, 0.2469 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, 233) }
```

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

```
.background{ background-color: rgb(174,  
166, 233) }
```

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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