

Converting Colors

$Yxy(41.7318, 0.2741, 0.2467)$

Have a look what the booklet for
Yxy(41.7318, 0.2741, 0.2467)
contains.

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Color

Yxy(41.6672, 0.2739, 0.2462)

Conversions

Conversions Part 1

Format	Color
Hex	B4A3E7
RGB	180, 163, 231
RGB Percent	71%, 64%, 91%
CMY	0.2939, 0.3609, 0.0940
CMYK	0.22, 0.29, 0.00, 0.09
HSL	255°, 59%, 77%
HSV	255°, 29%, 91%
XYZ	46.3552, 41.6672, 81.2189
YIQ	175.8350, -11.6960, 24.7520

Conversions

Conversions Part 2

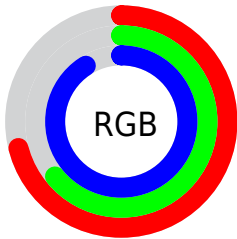
Format	Color
R _Y B	180, 163, 231
Decimal	11838439
CIE Lab	70.64, 20.12, -32.00
CIE LCh	71, 37.801, 302.157
Yxy	41.6672, 0.2739, 0.2462
Android (android.graphics.Color)	4290028519 (0xFFB4A3E7)
YUV	175.8350, 27.1963, 3.6527
Hunter-Lab	64.5501, 15.2229, -29.4153

Details

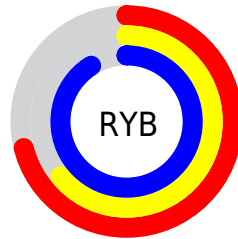
The Yxy color $41.6672, 0.2739, 0.2462$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $74.0988, 0.3445, 0.4057$, and the grayscale version is $43.1902, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.3673, 0.3020, 0.2916$, and $18.8996, 0.2623, 0.2251$ is the 20% darker color. If you saturate the color by 10%, you get $32.2520, 0.2574, 0.2137$, and if you desaturate by 10%, it is $52.8435, 0.2888, 0.2768$.

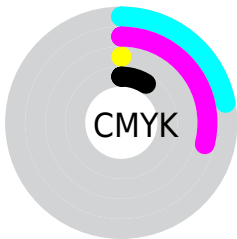
Distribution



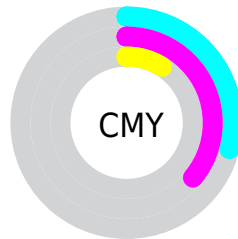
- Red (71%)
- Green (64%)
- Blue (91%)



- Red (71%)
- Yellow (64%)
- Blue (91%)



- Cyan (22%)
- Magenta (29%)
- Yellow (0%)
- Black (9%)



- Cyan (29%)
- Magenta (36%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6672, 0.2739, 0.2462 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 41.6672, 0.2739, 0.2462 by changing the saturation by 10% instead.


 41.6672, 0.2739,
0.2462

 41.6672, 0.2739,
0.2462


353.1015, 0.2939,
0.2859

 28.8408, 0.2688,
0.2369

 77.6957, 0.2813,
0.2602

 18.9604, 0.2623,
0.2252


 101.6666, 0.2840,
0.2656

 11.6417, 0.2536,
0.2104


130.1211, 0.2863,
0.2702

 6.5002, 0.2415,
0.1908

163.4436, 0.2883,
0.2742

 3.1515, 0.2238,
0.1643

202.0185, 0.2900,
0.2777

 1.2114, 0.1962,
0.1272

246.2301, 0.2914,

 0.0709, 0.1521,

0.2808

0.0193

296.4630, 0.2927,
0.2835

0.0000, 0.0000,
0.0000

41.6672, 0.2739,
0.2462

41.6672, 0.2739,
0.2462

32.2520, 0.2574,
0.2137

52.8435, 0.2888,
0.2768

24.5017, 0.2397,
0.1806

65.8605, 0.3019,
0.3050

18.3184, 0.2215,
0.1485

80.7987, 0.3133,
0.3303

13.5917, 0.2038,
0.1194

97.4819, 0.3231,
0.3525

10.1964, 0.1876,
0.0955

98.5510, 0.3268,
0.3522

■ 7.9850, 0.1742,
0.0783

■ 6.7256, 0.1640,
0.0679

■ 6.6695, 0.1635,
0.0674

Harmonies

Analogous

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



41.6672, 0.2343, 0.2437



41.6672, 0.2739, 0.2462



41.6672, 0.3277, 0.2666

Triad

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



41.6672, 0.2739, 0.2462



41.6672, 0.4197, 0.3845



41.6672, 0.2456, 0.3558

Complementary

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



41.6672, 0.2739, 0.2462



74.0988, 0.3445, 0.4057

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.



41.6672, 0.2912, 0.4058



41.6672, 0.2739, 0.2462



41.6672, 0.3925, 0.4178

Square

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



41.6672, 0.2739, 0.2462



41.6672, 0.4163, 0.3423



41.6672, 0.3450, 0.4286



41.6672, 0.2190, 0.3015

Rectangle

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



41.6672, 0.2739, 0.2462



41.6672, 0.3647, 0.2881



41.6672, 0.3450, 0.4286



41.6672, 0.2591, 0.3742

Sweetspot

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



41.6689, 0.2739, 0.2462



83.1054, 0.3024, 0.3060



61.6562, 0.2680, 0.3084



17.2434, 0.3006, 0.3021



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.



41.6689, 0.2739, 0.2462



45.1112, 0.2646, 0.2277



46.2573, 0.3017, 0.2526



14.0610, 0.3019, 0.3050



3.7876, 0.1648, 0.0681



0.3230, 0.1795, 0.0762

Inverse Universe

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



48.0338, 0.3306, 0.2729



54.3023, 0.3350, 0.2618



69.5123, 0.3201, 0.4120



14.5502, 0.3176, 0.3116



11.2375, 0.3964, 0.1957



0.8451, 0.3830, 0.1883

Previews

White Background



This preview shows how the Yxy color 41.6672, 0.2739, 0.2462 looks on a white background.

Color Contrast Check

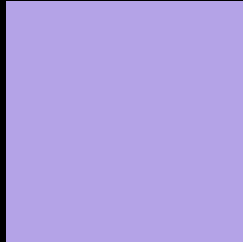
Large Text (above 18pt) WCAG AA × Fail

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 41.6672, 0.2739, 0.2462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

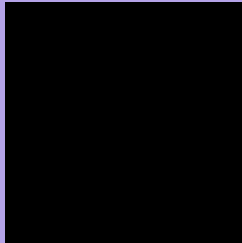
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6672, 0.2739, 0.2462

Background



This preview shows how black text looks on a background with the Yxy color 41.6672, 0.2739, 0.2462.



This preview shows how white text looks on a background with the Yxy color 41.6672, 0.2739, 0.2462.

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

41.6672, 0.2739, 0.2462

Protanopia

42.0125, 0.2514, 0.2457

Deuteranopia

41.7317, 0.2589, 0.2527



Tritanopia

41.7785, 0.3021, 0.3115

Trichromacy



Original Color

41.6672, 0.2739, 0.2462

Protanomaly

41.7900, 0.2591, 0.2455

Deuteranomaly

41.4576, 0.2643, 0.2500

Tritanomaly

41.7542, 0.2913, 0.2860

Monochromacy



Original Color

41.6672, 0.2739, 0.2462

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.4585, 0.2977, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6672, 0.2739, 0.2462 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(180, 163, 231)` looks like.

```
.text, #text, p{  
    color:rgb(180, 163, 231)  
}
```

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(180, 163, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 163, 231) }
```

Border

The CSS property to change the border of an element to Yxy 41.6672, 0.2739, 0.2462 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(180, 163, 231) }
```

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

```
.border{ border-color:rgb(180, 163, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 163, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 163, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 163, 231);  
box-shadow:4px 4px 4px 4px rgb(180, 163,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6672, 0.2739, 0.2462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 163, 231) }
```

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

```
.background{ background-color: rgb(180,  
163, 231) }
```

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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