

Converting Colors

$Y_{xy}(44.2409, 0.2727, 0.2391)$

Have a look what the booklet for
Yxy(44.2409, 0.2727, 0.2391)
contains.

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Color

Yxy(44.0727, 0.2721, 0.2381)

Conversions

Conversions Part 1

Format	Color
Hex	BCA5F3
RGB	188, 165, 243
RGB Percent	74%, 65%, 95%
CMY	0.2629, 0.3529, 0.0470
CMYK	0.23, 0.32, 0.00, 0.05
HSL	258°, 77%, 80%
HSV	258°, 32%, 95%
XYZ	50.3662, 44.0727, 90.6628
YIQ	180.7690, -11.3300, 29.1340

Conversions

Conversions Part 2

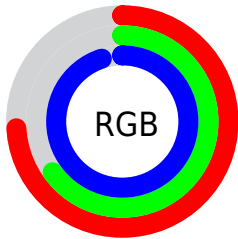
Format	Color
RYB	188, 165, 243
Decimal	12363251
CIELab	72.28, 24.11, -35.95
CIELCh	72, 43.288, 303.840
Yxy	44.0727, 0.2721, 0.2381
Android (android.graphics.Color)	4290553331 (0xFFBCA5F3)
YUV	180.7690, 30.6799, 6.3416
Hunter-Lab	66.3873, 19.2452, -34.4992

Details

The Yxy color **44.0727, 0.2721, 0.2381** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.0595, 0.3449, 0.4138**, and the grayscale version is **45.9121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8189, 0.3074, 0.2943**, and **20.3847, 0.2595, 0.2155** is the 20% darker color. If you saturate the color by 10%, you get **34.0737, 0.2561, 0.2057**, and if you desaturate by 10%, it is **55.9998, 0.2866, 0.2691**.

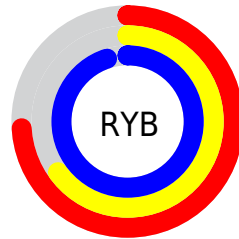
Distribution



Red (74%)

Green (65%)

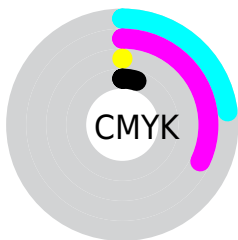
Blue (95%)



Red (74%)

Yellow (65%)

Blue (95%)

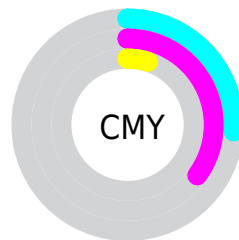


Cyan (23%)

Magenta (32%)

Yellow (0%)

Black (5%)



Cyan (26%)


Magenta (35%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0727, 0.2721, 0.2381 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 44.0727, 0.2721, 0.2381 by changing the saturation by 10% instead.


 44.0727, 0.2721,
0.2381


 44.0727, 0.2721,
0.2381

363.0049, 0.2929,
0.2809

 30.7277, 0.2669,
0.2283


 81.3271, 0.2797,
0.2530

 20.3916, 0.2602,
0.2162


 106.0053, 0.2825,
0.2588

 12.6800, 0.2514,
0.2009

135.2300, 0.2849,
0.2638

 7.2086, 0.2393,
0.1812

169.3856, 0.2870,
0.2681

 3.5929, 0.2220,
0.1552

208.8565, 0.2888,
0.2719

 1.4485, 0.1957,
0.1198

254.0271, 0.2903,

 0.2521, 0.1574,

0.2752

0.0479


305.2817, 0.2917,
0.2782


 0.0000, 0.0000,
0.0000

 44.0727, 0.2721,
0.2381


 44.0727, 0.2721,
0.2381

 34.0737, 0.2561,
0.2057


 55.9998, 0.2866,
0.2691

 25.8939, 0.2389,
0.1731


 69.9455, 0.2995,
0.2978

 19.4213, 0.2214,
0.1421

 86.0007, 0.3106,
0.3239

 14.5293, 0.2044,
0.1147

 99.2524, 0.3197,
0.3405

 11.0726, 0.1890,
0.0927

■ 8.8777, 0.1761,
0.0775

■ 7.8300, 0.1680,
0.0699

Harmonies

Analogous

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



44.0727, 0.2274, 0.2339



44.0727, 0.2721, 0.2381



44.0727, 0.3327, 0.2615

Triad

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



44.0727, 0.2721, 0.2381



44.0727, 0.4316, 0.3921



44.0727, 0.2353, 0.3553

Complementary

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



44.0727, 0.2721, 0.2381



82.0595, 0.3449, 0.4138

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.



44.0727, 0.2847, 0.4138



44.0727, 0.2721, 0.2381



44.0727, 0.3989, 0.4294

Square

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



44.0727, 0.2721, 0.2381



44.0727, 0.4304, 0.3454



44.0727, 0.3447, 0.4413



44.0727, 0.2077, 0.2943

Rectangle

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



44.0727, 0.2721, 0.2381



44.0727, 0.3743, 0.2855



44.0727, 0.3447, 0.4413



44.0727, 0.2497, 0.3766

Sweetspot

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



44.0745, 0.2721, 0.2381



81.5402, 0.3019, 0.3034



66.1442, 0.2637, 0.3031



16.9391, 0.3002, 0.2996



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.



44.0745, 0.2721, 0.2381



41.1355, 0.2610, 0.2155



49.5767, 0.3025, 0.2457



16.1628, 0.3025, 0.3049



4.3567, 0.1694, 0.0707



0.4336, 0.1824, 0.0779

Inverse Universe

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



51.1461, 0.3356, 0.2709



50.3635, 0.3421, 0.2582



76.7664, 0.3189, 0.4212



16.6804, 0.3183, 0.3124



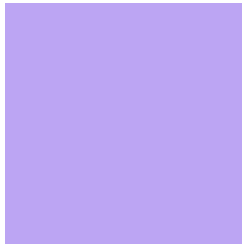
12.1075, 0.4124, 0.2046



1.0821, 0.3982, 0.1967

Previews

White Background



This preview shows how the Yxy color 44.0727, 0.2721, 0.2381 looks on a white background.

Color Contrast Check

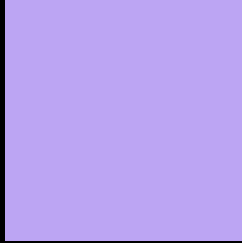
Large Text (above 18pt) WCAG AA × Fail

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 44.0727, 0.2721, 0.2381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

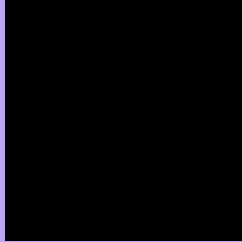
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.0727, 0.2721, 0.2381

Background



This preview shows how black text looks on a background with the Yxy color 44.0727, 0.2721, 0.2381.



This preview shows how white text looks on a background with the Yxy color 44.0727, 0.2721, 0.2381.

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

44.0727, 0.2721, 0.2381

Protanopia

44.4950, 0.2451, 0.2367

Deuteranopia

44.2799, 0.2532, 0.2474



Tritanopia

44.1898, 0.3040, 0.3119

Trichromacy



Original Color

44.0727, 0.2721, 0.2381

Protanomaly

44.0101, 0.2539, 0.2365

Deuteranomaly

43.9716, 0.2595, 0.2430

Tritanomaly

44.0536, 0.2919, 0.2823

Monochromacy



Original Color

44.0727, 0.2721, 0.2381

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.2099, 0.2975, 0.2924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0727, 0.2721, 0.2381 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(188, 165, 243)` looks like.

```
.text, #text, p{  
    color:rgb(188, 165, 243)  
}
```

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(188, 165, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 165, 243) }
```

Border

The CSS property to change the border of an element to Yxy 44.0727, 0.2721, 0.2381 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(188, 165, 243) }
```

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

```
.border{ border-color:rgb(188, 165, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 165, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 165, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 165, 243);  
box-shadow:4px 4px 4px 4px rgb(188, 165,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0727, 0.2721, 0.2381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 165, 243) }
```

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

```
.background{ background-color: rgb(188,  
165, 243) }
```

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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