

Converting Colors

$Y_{xy}(42.2779, 0.2758, 0.2421)$

Have a look what the booklet for
Yxy(42.2779, 0.2758, 0.2421)
contains.

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Color

Yxy(42.2779, 0.2758, 0.2421)

Conversions

Conversions Part 1

Format	Color
Hex	BAA2EB
RGB	186, 162, 235
RGB Percent	73%, 64%, 92%
CMY	0.2705, 0.3647, 0.0786
CMYK	0.21, 0.31, 0.00, 0.08
HSL	260°, 65%, 78%
HSV	260°, 31%, 92%
XYZ	48.1629, 42.2779, 84.1891
YIQ	177.4980, -9.1290, 27.7910

Conversions

Conversions Part 2

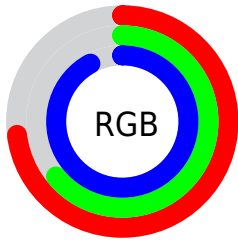
Format	Color
R _Y B	186, 162, 235
Decimal	12231403
CIE Lab	71.06, 23.35, -33.46
CIE LCh	71, 40.805, 304.914
Yxy	42.2779, 0.2758, 0.2421
Android (android.graphics.Color)	4290421483 (0xFFBAA2EB)
YUV	177.4980, 28.3485, 7.4563
Hunter-Lab	65.0215, 18.4316, -31.2530

Details

The Yxy color $42.2779, 0.2758, 0.2421$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $75.8452, 0.3420, 0.4113$, and the grayscale version is $44.0949, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.9004, 0.3061, 0.2911$, and $19.3121, 0.2649, 0.2202$ is the 20% darker color. If you saturate the color by 10%, you get $32.8935, 0.2607, 0.2103$, and if you desaturate by 10%, it is $53.4300, 0.2894, 0.2725$.

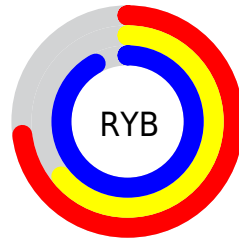
Distribution



Red (73%)

Green (64%)

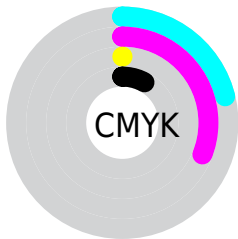
Blue (92%)



Red (73%)

Yellow (64%)

Blue (92%)

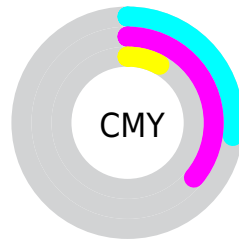


Cyan (21%)

Magenta (31%)

Yellow (0%)

Black (8%)



Cyan (27%)


Magenta (36%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2779, 0.2758, 0.2421 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 42.2779, 0.2758, 0.2421 by changing the saturation by 10% instead.

 42.2779, 0.2758,
0.2421

 42.2779, 0.2758,
0.2421


355.6336, 0.2949,
0.2835

 29.3190, 0.2709,
0.2325


 78.6200, 0.2828,
0.2566

 19.3222, 0.2647,
0.2206


 102.7720, 0.2855,
0.2622

 11.9034, 0.2563,
0.2054

131.4238, 0.2877,
0.2670

 6.6779, 0.2447,
0.1857

164.9598, 0.2895,
0.2712

 3.2615, 0.2278,
0.1592

203.7644, 0.2912,
0.2748

 1.2697, 0.2015,
0.1226

248.2220, 0.2926,

 0.1176, 0.1630,

0.2780

0.0281

298.7169, 0.2938,
0.2809

0.0000, 0.0000,
0.0000

42.2779, 0.2758,
0.2421

42.2779, 0.2758,
0.2421

32.8935, 0.2607,
0.2103

53.4300, 0.2894,
0.2725

25.1784, 0.2444,
0.1782

66.4309, 0.3014,
0.3008

19.0320, 0.2275,
0.1474

81.3631, 0.3117,
0.3265

14.3407, 0.2109,
0.1199

97.6685, 0.3206,
0.3486

10.9746, 0.1955,
0.0976

98.7759, 0.3244,
0.3484

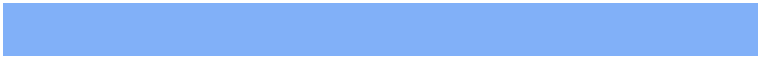
■ 8.7794, 0.1823,
0.0816

■ 7.5871, 0.1726,
0.0724

Harmonies

Analogous

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



42.2779, 0.2320, 0.2374



42.2779, 0.2758, 0.2421



42.2779, 0.3342, 0.2652

Triad

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



42.2779, 0.2758, 0.2421



42.2779, 0.4260, 0.3915



42.2779, 0.2372, 0.3521

Complementary

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



42.2779, 0.2758, 0.2421



75.8452, 0.3420, 0.4113

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.



42.2779, 0.2842, 0.4081



42.2779, 0.2758, 0.2421



42.2779, 0.3939, 0.4262

Square

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



42.2779, 0.2758, 0.2421



42.2779, 0.4259, 0.3468



42.2779, 0.3416, 0.4358



42.2779, 0.2113, 0.2943

Rectangle

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



42.2779, 0.2758, 0.2421



42.2779, 0.3736, 0.2887



42.2779, 0.3416, 0.4358



42.2779, 0.2509, 0.3723

Sweetspot

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



42.2796, 0.2758, 0.2421



83.4171, 0.3036, 0.3061



60.6943, 0.2649, 0.3011



17.3198, 0.3020, 0.3022



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.



42.2796, 0.2758, 0.2421



43.7548, 0.2667, 0.2227



47.3030, 0.3050, 0.2491



14.7896, 0.3031, 0.3050



4.2859, 0.1741, 0.0733



0.3871, 0.1891, 0.0815

Inverse Universe

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



48.1991, 0.3369, 0.2756



52.0067, 0.3431, 0.2649



71.1614, 0.3171, 0.4181



15.2246, 0.3188, 0.3133



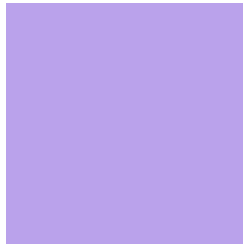
11.2218, 0.4255, 0.2118



0.8988, 0.4074, 0.2018

Previews

White Background



This preview shows how the Yxy color 42.2779, 0.2758, 0.2421 looks on a white background.

Color Contrast Check

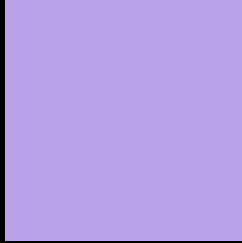
Large Text (above 18pt) WCAG AA × Fail

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 42.2779, 0.2758, 0.2421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

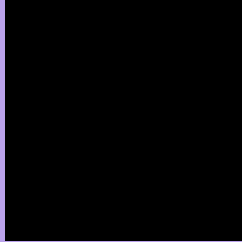
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2779, 0.2758, 0.2421

Background



This preview shows how black text looks on a background with the Yxy color 42.2779, 0.2758, 0.2421.



This preview shows how white text looks on a background with the Yxy color 42.2779, 0.2758, 0.2421.

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

42.2779, 0.2758, 0.2421

Protanopia

42.6882, 0.2488, 0.2418

Deuteranopia

42.2781, 0.2572, 0.2507



Tritanopia

42.3549, 0.3065, 0.3117

Trichromacy



Original Color

42.2779, 0.2758, 0.2421

Protanomaly

42.2366, 0.2580, 0.2417

Deuteranomaly

42.2706, 0.2633, 0.2473

Tritanomaly

42.0204, 0.2947, 0.2840

Monochromacy



Original Color

42.2779, 0.2758, 0.2421

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.4523, 0.2988, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2779, 0.2758, 0.2421 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(186, 162, 235)` looks like.

```
.text, #text, p{  
    color:rgb(186, 162, 235)  
}
```

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(186, 162, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 162, 235) }
```

Border

The CSS property to change the border of an element to Yxy 42.2779, 0.2758, 0.2421 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(186, 162, 235) }
```

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

```
.border{ border-color:rgb(186, 162, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 162, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 162, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 162, 235);  
box-shadow:4px 4px 4px 4px rgb(186, 162,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2779, 0.2758, 0.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 162, 235) }
```

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

```
.background{ background-color: rgb(186,  
162, 235) }
```

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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