

Converting Colors

$Y_{xy}(41.2565, 0.2716, 0.2411)$

Have a look what the booklet for
Yxy(41.2565, 0.2716, 0.2411)
contains.

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Color

Yxy(41.1335, 0.2716, 0.2407)

Conversions

Conversions Part 1

Format	Color
Hex	B4A1EA
RGB	180, 161, 234
RGB Percent	71%, 63%, 92%
CMY	0.2942, 0.3686, 0.0823
CMYK	0.23, 0.31, 0.00, 0.08
HSL	256°, 63%, 77%
HSV	256°, 31%, 92%
XYZ	46.4140, 41.1335, 83.3436
YIQ	175.0030, -12.1090, 26.7310

Conversions

Conversions Part 2

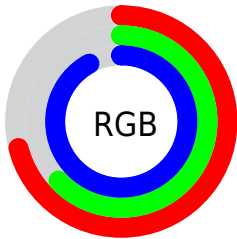
Format	Color
R _Y B	180, 161, 234
Decimal	11837930
CIE Lab	70.27, 21.89, -34.21
CIE LCh	70, 40.613, 302.610
Yxy	41.1335, 0.2716, 0.2407
Android (android.graphics.Color)	4290028010 (0xFFB4A1EA)
YUV	175.0030, 29.0855, 4.3824
Hunter-Lab	64.1354, 16.9414, -32.1523

Details

The Yxy color **41.1335, 0.2716, 0.2407** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **75.8818, 0.3458, 0.4106**, and the grayscale version is **42.7222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3363, 0.3020, 0.2895**, and **18.5873, 0.2594, 0.2181** is the 20% darker color. If you saturate the color by 10%, you get **31.7561, 0.2550, 0.2081**, and if you desaturate by 10%, it is **52.3046, 0.2866, 0.2717**.

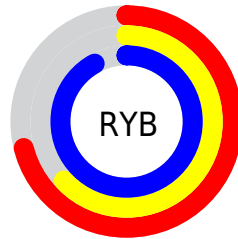
Distribution



Red (71%)

Green (63%)

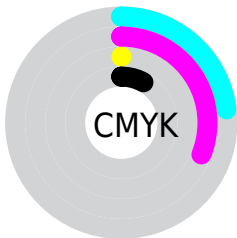
Blue (92%)



Red (71%)

Yellow (63%)

Blue (92%)

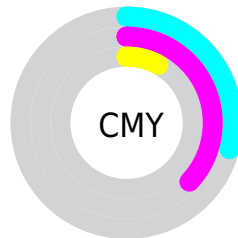


Cyan (23%)

Magenta (31%)

Yellow (0%)

Black (8%)



Cyan (29%)


Magenta (37%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1335, 0.2716, 0.2407 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 41.1335, 0.2716, 0.2407 by changing the saturation by 10% instead.


 41.1335, 0.2716,
0.2407


 41.1335, 0.2716,
0.2407


350.8783, 0.2928,
0.2829

 28.4234, 0.2662,
0.2308


 76.8865, 0.2794,
0.2556

 18.6451, 0.2593,
0.2186


 100.6982, 0.2823,
0.2613

 11.4141, 0.2500,
0.2030


128.9793, 0.2848,
0.2662

 6.3461, 0.2373,
0.1826

162.1140, 0.2869,
0.2704

 3.0566, 0.2187,
0.1553

200.4869, 0.2887,
0.2741

 1.1614, 0.1899,
0.1176

244.4823, 0.2902,


 0.0298, 0.1451,


0.2774


0.0077

294.4846, 0.2916,
0.2803


 0.0000, 0.0000,
0.0000

 41.1335, 0.2716,
0.2407

 41.1335, 0.2716,
0.2407

 31.7561, 0.2550,
0.2081


 52.3046, 0.2866,
0.2717


 24.0723, 0.2373,
0.1751


 65.3524, 0.2999,
0.3003


 17.9797, 0.2193,
0.1435

 80.3607, 0.3114,
0.3261

 13.3625, 0.2018,
0.1152

 97.4065, 0.3214,
0.3491

 10.0884, 0.1861,
0.0925

 98.7212, 0.3250,
0.3493

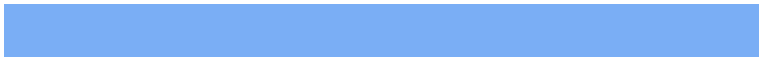
■ 8.0006, 0.1731,
0.0765

■ 6.9260, 0.1644,
0.0679

Harmonies

Analogous

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



41.1335, 0.2292, 0.2375



41.1335, 0.2716, 0.2407



41.1335, 0.3295, 0.2626

Triad

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



41.1335, 0.2716, 0.2407



41.1335, 0.4277, 0.3884



41.1335, 0.2399, 0.3569

Complementary

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



41.1335, 0.2716, 0.2407



75.8818, 0.3458, 0.4106

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.



41.1335, 0.2883, 0.4119



41.1335, 0.2716, 0.2407



41.1335, 0.3976, 0.4246

Square

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



41.1335, 0.2716, 0.2407



41.1335, 0.4249, 0.3433



41.1335, 0.3461, 0.4368



41.1335, 0.2121, 0.2980

Rectangle

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



41.1335, 0.2716, 0.2407



41.1335, 0.3695, 0.2856



41.1335, 0.3461, 0.4368



41.1335, 0.2541, 0.3771

Sweetspot

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



41.1351, 0.2716, 0.2407



83.1402, 0.3025, 0.3061



62.5097, 0.2654, 0.3070



17.2519, 0.3008, 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.



41.1351, 0.2716, 0.2407



42.9206, 0.2619, 0.2213



45.9983, 0.3009, 0.2478



14.7380, 0.3020, 0.3049



3.9429, 0.1656, 0.0686



0.3547, 0.1796, 0.0763

Inverse Universe

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



47.8980, 0.3325, 0.2701



52.3688, 0.3374, 0.2588



71.0413, 0.3204, 0.4176



15.2431, 0.3178, 0.3117



11.5520, 0.3996, 0.1975



0.9227, 0.3863, 0.1902

Previews

White Background



This preview shows how the Yxy color 41.1335, 0.2716, 0.2407 looks on a white background.

Color Contrast Check

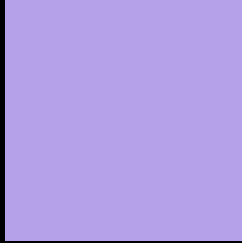
Large Text (above 18pt) WCAG AA × Fail

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 41.1335, 0.2716, 0.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

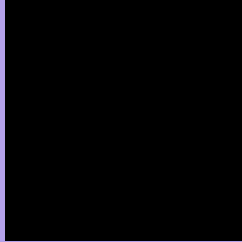
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.1335, 0.2716, 0.2407

Background



This preview shows how black text looks on a background with the Yxy color 41.1335, 0.2716, 0.2407.



This preview shows how white text looks on a background with the Yxy color 41.1335, 0.2716, 0.2407.

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

41.1335, 0.2716, 0.2407

Protanopia

41.2108, 0.2468, 0.2385

Deuteranopia

41.0722, 0.2547, 0.2486



Tritanopia

41.2444, 0.3021, 0.3114

Trichromacy



Original Color

41.1335, 0.2716, 0.2407

Protanomaly

41.0226, 0.2555, 0.2395

Deuteranomaly

40.9422, 0.2600, 0.2450

Tritanomaly

40.9004, 0.2904, 0.2832

Monochromacy



Original Color

41.1335, 0.2716, 0.2407

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.0821, 0.2977, 0.2950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1335, 0.2716, 0.2407 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, 161, 234)` looks like.

```
.text, #text, p{  
    color:rgb(180, 161, 234)  
}
```

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, 161, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 161, 234) }
```

Border

The CSS property to change the border of an element to Yxy 41.1335, 0.2716, 0.2407 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, 161, 234) }
```

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

```
.border{ border-color:rgb(180, 161, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 161, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 161, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 161, 234);  
box-shadow:4px 4px 4px 4px rgb(180, 161,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1335, 0.2716, 0.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 161, 234) }
```

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

```
.background{ background-color: rgb(180,  
161, 234) }
```

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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