

Converting Colors

$Y_{xy}(41.6761, 0.2739, 0.2561)$

Have a look what the booklet for
Yxy(41.6761, 0.2739, 0.2561)
contains.

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Color

Yxy(41.6529, 0.2743, 0.2565)

Conversions

Conversions Part 1

Format	Color
Hex	AEA6E0
RGB	174, 166, 224
RGB Percent	68%, 65%, 88%
CMY	0.3176, 0.3490, 0.1217
CMYK	0.22, 0.26, 0.00, 0.12
HSL	248°, 48%, 76%
HSV	248°, 26%, 88%
XYZ	44.5434, 41.6529, 76.1931
YIQ	175.0040, -13.8500, 19.7340

Conversions

Conversions Part 2

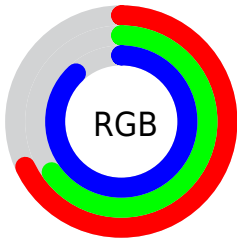
Format	Color
RYB	174, 166, 224
Decimal	11445984
CIELab	70.63, 14.97, -28.20
CIELCh	71, 31.923, 297.958
Yxy	41.6529, 0.2743, 0.2565
Android (android.graphics.Color)	4289636064 (0xFFAEA6E0)
YUV	175.0040, 24.1550, -0.8805
Hunter-Lab	64.5391, 10.2534, -24.8189

Details

The Yxy color $41.6529, 0.2743, 0.2565$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $70.6456, 0.3456, 0.3948$, and the grayscale version is $42.7508, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.7559, 0.2973, 0.2942$, and $18.9641, 0.2629, 0.2367$ is the 20% darker color. If you saturate the color by 10%, you get $32.1475, 0.2562, 0.2237$, and if you desaturate by 10%, it is $52.8984, 0.2907, 0.2869$.

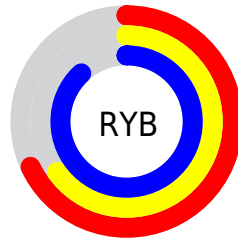
Distribution



Red (68%)

Green (65%)

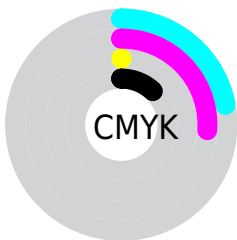
Blue (88%)



Red (68%)

Yellow (65%)

Blue (88%)

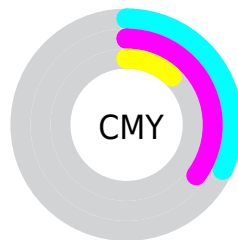


Cyan (22%)

Magenta (26%)

Yellow (0%)

Black (12%)



Cyan (32%)

Magenta (35%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6529, 0.2743, 0.2565 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 41.6529, 0.2743, 0.2565 by changing the saturation by 10% instead.

41.6529, 0.2743,
0.2565

41.6529, 0.2743,
0.2565

353.0421, 0.2940,
0.2917

28.8296, 0.2693,
0.2481

77.6740, 0.2815,
0.2690

18.9520, 0.2629,
0.2375

101.6407, 0.2842,
0.2738

11.6356, 0.2544,
0.2239

130.0905, 0.2865,
0.2779

6.4960, 0.2425,
0.2057

163.4080, 0.2884,
0.2814

3.1490, 0.2250,
0.1804

201.9775, 0.2901,
0.2845

1.2100, 0.1975,
0.1438

246.1834, 0.2915,

0.0698, 0.1437,

0.2872


0.0232

296.4101, 0.2928,
0.2896


 0.0000, 0.0000,
0.0000


 41.6529, 0.2743,
0.2565

 41.6529, 0.2743,
0.2565


 32.1475, 0.2562,
0.2237


 52.8984, 0.2907,
0.2869


 24.2901, 0.2368,
0.1894


 65.9598, 0.3051,
0.3143


 17.9877, 0.2169,
0.1554

 80.9146, 0.3177,
0.3386

 13.1360, 0.1978,
0.1239

 97.4531, 0.3285,
0.3594

 9.6178, 0.1807,
0.0972

 98.1603, 0.3310,
0.3592

■ 7.2975, 0.1670,
0.0776

■ 6.0090, 0.1575,
0.0658

■ 5.6700, 0.1548,
0.0626

Harmonies

Analogous

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



41.6529, 0.2422, 0.2572



41.6529, 0.2743, 0.2565



41.6529, 0.3190, 0.2721

Triad

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



41.6529, 0.2743, 0.2565



41.6529, 0.4046, 0.3726



41.6529, 0.2605, 0.3583

Complementary

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



41.6529, 0.2743, 0.2565



70.6456, 0.3456, 0.3948

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.



41.6529, 0.3013, 0.3973



41.6529, 0.2743, 0.2565



41.6529, 0.3854, 0.4018

Square

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



41.6529, 0.2743, 0.2565



41.6529, 0.3974, 0.3361



41.6529, 0.3471, 0.4129



41.6529, 0.2346, 0.3124

Rectangle

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



41.6529, 0.2743, 0.2565



41.6529, 0.3505, 0.2898



41.6529, 0.3471, 0.4129



41.6529, 0.2728, 0.3730

Sweetspot

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



41.6546, 0.2743, 0.2565



84.4838, 0.3021, 0.3086



62.7251, 0.2741, 0.3195



17.4979, 0.3000, 0.3046



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.



41.6546, 0.2743, 0.2565



48.7975, 0.2648, 0.2392



45.3126, 0.2977, 0.2612



13.3335, 0.3002, 0.3049



3.3301, 0.1556, 0.0631



0.2603, 0.1671, 0.0694

Inverse Universe

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



48.0748, 0.3224, 0.2730



58.8285, 0.3247, 0.2614



66.6480, 0.3242, 0.3995



13.9014, 0.3159, 0.3090



11.4807, 0.3590, 0.1751



0.8049, 0.3522, 0.1714

Previews

White Background



This preview shows how the Yxy color 41.6529, 0.2743, 0.2565 looks on a white background.

Color Contrast Check

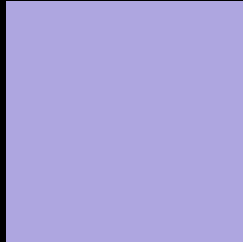
Large Text (above 18pt) WCAG AA × Fail

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 41.6529, 0.2743, 0.2565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

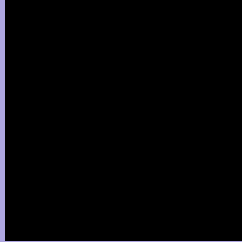
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6529, 0.2743, 0.2565

Background



This preview shows how black text looks on a background with the Yxy color 41.6529, 0.2743, 0.2565.



This preview shows how white text looks on a background with the Yxy color 41.6529, 0.2743, 0.2565.

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

41.6529, 0.2743, 0.2565

Protanopia

41.8400, 0.2602, 0.2572

Deuteranopia

41.8637, 0.2670, 0.2612



Tritanopia

41.6905, 0.2963, 0.3100

Trichromacy



Original Color

41.6529, 0.2743, 0.2565

Protanomaly

41.6535, 0.2649, 0.2565

Deuteranomaly

41.9191, 0.2699, 0.2604

Tritanomaly

41.4656, 0.2887, 0.2893

Monochromacy



Original Color

41.6529, 0.2743, 0.2565

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.4693, 0.2984, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6529, 0.2743, 0.2565 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(174, 166, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 166, 224) }
```

Border

The CSS property to change the border of an element to Yxy 41.6529, 0.2743, 0.2565 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, 224) }
```

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

```
.border{ border-color:rgb(174, 166, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 166, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 166, 224);  
box-shadow:4px 4px 4px 4px rgb(174, 166,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6529, 0.2743, 0.2565 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, 224) }
```

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

```
.background{ background-color: rgb(174,  
166, 224) }
```

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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