

Converting Colors

Yxy(42.6566, 0.3055, 0.2449)

Have a look what the booklet for
Yxy(42.6566, 0.3055, 0.2449)
contains.

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Color

Yxy(42.7756, 0.3059, 0.2456)

Conversions

Conversions Part 1

Format	Color
Hex	D799E3
RGB	215, 153, 227
RGB Percent	84%, 60%, 89%
CMY	0.1569, 0.4000, 0.1098
CMYK	0.05, 0.33, 0.00, 0.11
HSL	290°, 57%, 75%
HSV	290°, 33%, 89%
XYZ	53.2779, 42.7756, 78.1142
YIQ	179.9740, 13.1980, 36.1580

Conversions

Conversions Part 2

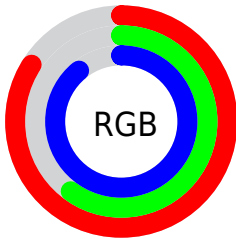
Format	Color
RYB	215, 153, 227
Decimal	14129635
CIELab	71.40, 35.53, -28.35
CIELCh	71, 45.451, 321.413
Yxy	42.7756, 0.3059, 0.2456
Android (android.graphics.Color)	4292319715 (0xFFD799E3)
YUV	179.9740, 23.1838, 30.7178
Hunter-Lab	65.4031, 30.9523, -25.0310

Details

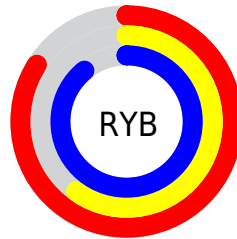
The Yxy color $42.7756, 0.3059, 0.2456$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $65.2335, 0.3162, 0.4232$, and the grayscale version is $45.4962, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.5918, 0.3149, 0.2831$, and $19.6186, 0.3029, 0.2259$ is the 20% darker color. If you saturate the color by 10%, you get $35.4888, 0.3029, 0.2201$, and if you desaturate by 10%, it is $51.4919, 0.3085, 0.2718$.

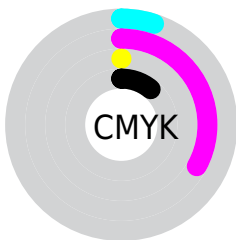
Distribution



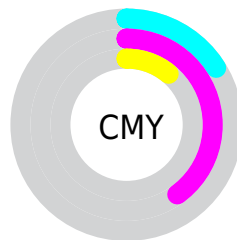
- Red (84%)
- Green (60%)
- Blue (89%)



- Red (84%)
- Yellow (60%)
- Blue (89%)



- Cyan (5%)
- Magenta (33%)
- Yellow (0%)
- Black (11%)



- Cyan (16%)
- Magenta (40%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7756, 0.3059, 0.2456 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 42.7756, 0.3059, 0.2456 by changing the saturation by 10% instead.


 42.7756, 0.3059,
0.2456


 42.7756, 0.3059,
0.2456


357.6881, 0.3103,
0.2849

 29.7091, 0.3045,
0.2365


 79.3721, 0.3077,
0.2593

 19.6179, 0.3026,
0.2253


 103.6709, 0.3083,
0.2647

 12.1176, 0.2999,
0.2110


132.4826, 0.3088,
0.2692

 6.8238, 0.2958,
0.1924

166.1916, 0.3093,
0.2732

 3.3522, 0.2891,
0.1673

205.1822, 0.3096,
0.2767

 1.3182, 0.2770,
0.1324

249.8389, 0.3099,

 0.1553, 0.2642,

0.2797

0.0399

300.5461, 0.3101,
0.2825

0.0000, 0.0000,
0.0000

42.7756, 0.3059,
0.2456

42.7756, 0.3059,
0.2456

35.4888, 0.3029,
0.2201

51.4919, 0.3085,
0.2718

29.5456, 0.2994,
0.1961

61.7064, 0.3106,
0.2977

24.8593, 0.2955,
0.1749

73.4898, 0.3123,
0.3227

21.3307, 0.2914,
0.1574

86.9067, 0.3137,
0.3464

18.8456, 0.2871,
0.1442

94.4563, 0.3154,
0.3574

■ 17.2662, 0.2828,
0.1355

■ 95.0837, 0.3177,
0.3572

■ 16.5161, 0.2797,
0.1314

■ 95.7242, 0.3200,
0.3570

■ 96.3777, 0.3224,
0.3568

■ 97.0443, 0.3247,
0.3566

Harmonies

Analogous

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



42.7756, 0.2476, 0.2289



42.7756, 0.3059, 0.2456



42.7756, 0.3728, 0.2797

Triad

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



42.7756, 0.3059, 0.2456



42.7756, 0.4215, 0.4203



42.7756, 0.2108, 0.3170

Complementary

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



42.7756, 0.3059, 0.2456



65.2335, 0.3162, 0.4232

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.



42.7756, 0.2500, 0.3850



42.7756, 0.3059, 0.2456



42.7756, 0.3714, 0.4473

Square

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



42.7756, 0.3059, 0.2456



42.7756, 0.4429, 0.3749



42.7756, 0.3085, 0.4369



42.7756, 0.1975, 0.2627

Rectangle

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



42.7756, 0.3059, 0.2456



42.7756, 0.4109, 0.3092



42.7756, 0.3085, 0.4369



42.7756, 0.2211, 0.3393

Sweetspot

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



42.7774, 0.3059, 0.2456



84.0199, 0.3111, 0.3041



39.3519, 0.2565, 0.2491



17.5393, 0.3108, 0.3005



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.



42.7774, 0.3059, 0.2456



49.1748, 0.3039, 0.2285



43.3951, 0.3386, 0.2733



14.4907, 0.3112, 0.3057



9.6763, 0.2803, 0.1318



0.7468, 0.2866, 0.1352

Inverse Universe

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



41.8320, 0.3756, 0.3151



47.8523, 0.3946, 0.3123



64.9076, 0.2938, 0.3924



14.4059, 0.3267, 0.3252



9.6127, 0.6163, 0.3169



0.7219, 0.5793, 0.2965

Previews

White Background



This preview shows how the Yxy color 42.7756, 0.3059, 0.2456 looks on a white background.

Color Contrast Check

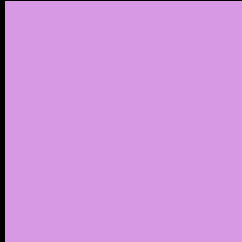
Large Text (above 18pt) WCAG AA × Fail

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 42.7756, 0.3059, 0.2456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

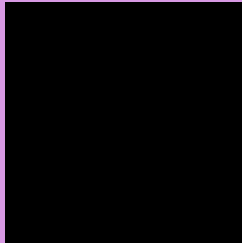
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7756, 0.3059, 0.2456

Background



This preview shows how black text looks on a background with the Yxy color 42.7756, 0.3059, 0.2456.



This preview shows how white text looks on a background with the Yxy color 42.7756, 0.3059, 0.2456.

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

42.7756, 0.3059, 0.2456

Protanopia

43.2665, 0.2503, 0.2434

Deuteranopia

43.0483, 0.2702, 0.2643



Tritanopia

42.7389, 0.3438, 0.3130

Trichromacy



Original Color

42.7756, 0.3059, 0.2456

Protanomaly

42.7340, 0.2678, 0.2433

Deuteranomaly

42.4824, 0.2822, 0.2568

Tritanomaly

42.5853, 0.3297, 0.2859

Monochromacy



Original Color

42.7756, 0.3059, 0.2456

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

44.1181, 0.3108, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7756, 0.3059, 0.2456 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(215, 153, 227)` looks like.

```
.text, #text, p{  
    color:rgb(215, 153, 227)  
}
```

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(215, 153, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 153, 227) }
```

Border

The CSS property to change the border of an element to Yxy 42.7756, 0.3059, 0.2456 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(215, 153, 227) }
```

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

```
.border{ border-color:rgb(215, 153, 227) }
```

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

Here you see how a box with a 4 pixel rgb(215, 153, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 153, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 153, 227);  
box-shadow:4px 4px 4px 4px rgb(215, 153,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7756, 0.3059, 0.2456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 153, 227) }
```

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

```
.background{ background-color: rgb(215,  
153, 227) }
```

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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