

Converting Colors

$Y_{xy}(42.6311, 0.3064, 0.2491)$

Have a look what the booklet for
Yxy(42.6311, 0.3064, 0.2491)
contains.

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Color

Yxy(42.6392, 0.3066, 0.2492)

Conversions

Conversions Part 1

Format	Color
Hex	D59AE0
RGB	213, 154, 224
RGB Percent	84%, 60%, 88%
CMY	0.1646, 0.3961, 0.1215
CMYK	0.05, 0.31, 0.00, 0.12
HSL	291°, 53%, 74%
HSV	291°, 31%, 88%
XYZ	52.4606, 42.6392, 76.0045
YIQ	179.6210, 12.6940, 34.2780

Conversions

Conversions Part 2

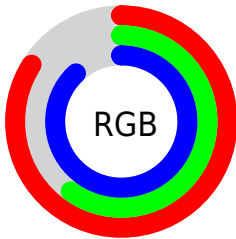
Format	Color
R _Y B	213, 154, 224
Decimal	13998816
CIE Lab	71.31, 33.81, -26.88
CIE LCh	71, 43.193, 321.512
Yxy	42.6392, 0.3066, 0.2492
Android (android.graphics.Color)	4292188896 (0xFFD59AE0)
YUV	179.6210, 21.8788, 29.2734
Hunter-Lab	65.2987, 29.1331, -23.3016

Details

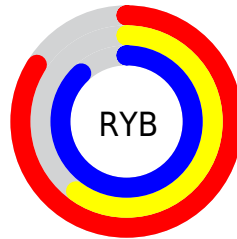
The Yxy color $42.6392, 0.3066, 0.2492$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $63.6552, 0.3159, 0.4188$, and the grayscale version is $45.3058, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.0809, 0.3148, 0.2841$, and $19.5354, 0.3027, 0.2290$ is the 20% darker color. If you saturate the color by 10%, you get $35.4040, 0.3037, 0.2236$, and if you desaturate by 10%, it is $51.2694, 0.3090, 0.2753$.

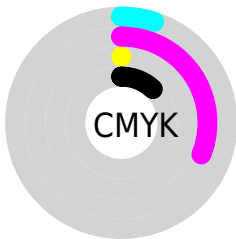
Distribution



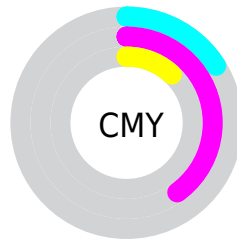
- Red (84%)
- Green (60%)
- Blue (88%)



- Red (84%)
- Yellow (60%)
- Blue (88%)



- Cyan (5%)
- Magenta (31%)
- Yellow (0%)
- Black (12%)





- Cyan (16%)
- Magenta (40%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6392, 0.3066, 0.2492 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 42.6392, 0.3066, 0.2492 by changing the saturation by 10% instead.

 42.6392, 0.3066,
0.2492

 42.6392, 0.3066,
0.2492

357.1259, 0.3106,
0.2870

 29.6021, 0.3054,
0.2404


 79.1661, 0.3082,
0.2625

 19.5368, 0.3036,
0.2295

 103.4247, 0.3088,
0.2676

 12.0588, 0.3011,
0.2156


132.1927, 0.3093,
0.2720

 6.7837, 0.2973,
0.1974

165.8543, 0.3096,
0.2758

 3.3272, 0.2911,
0.1728

204.7941, 0.3099,
0.2791

 1.3049, 0.2797,
0.1380

249.3963, 0.3102,

 0.1450, 0.2693,

0.2820

0.0403

300.0455, 0.3104,
0.2847

0.0000, 0.0000,
0.0000

42.6392, 0.3066,
0.2492

42.6392, 0.3066,
0.2492

35.4040, 0.3037,
0.2236

51.2694, 0.3090,
0.2753

29.4813, 0.3005,
0.1995

61.3600, 0.3110,
0.3011

24.7883, 0.2968,
0.1780

72.9791, 0.3125,
0.3260

21.2306, 0.2929,
0.1600

86.1888, 0.3138,
0.3494

18.7000, 0.2888,
0.1463

93.8280, 0.3153,
0.3606

■ 17.0670, 0.2846,
0.1371

■ 94.4177, 0.3175,
0.3604

■ 16.1852, 0.2810,
0.1322

■ 95.0191, 0.3198,
0.3602

■ 95.6325, 0.3220,
0.3600

■ 96.2578, 0.3243,
0.3598

Harmonies

Analogous

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



42.6392, 0.2507, 0.2331



42.6392, 0.3066, 0.2492



42.6392, 0.3701, 0.2821

Triad

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



42.6392, 0.3066, 0.2492



42.6392, 0.4166, 0.4167



42.6392, 0.2152, 0.3177

Complementary

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



42.6392, 0.3066, 0.2492



63.6552, 0.3159, 0.4188

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.



42.6392, 0.2529, 0.3819



42.6392, 0.3066, 0.2492



42.6392, 0.3690, 0.4416

Square

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



42.6392, 0.3066, 0.2492



42.6392, 0.4368, 0.3736



42.6392, 0.3089, 0.4310



42.6392, 0.2024, 0.2659

Rectangle

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



42.6392, 0.3066, 0.2492



42.6392, 0.4063, 0.3105



42.6392, 0.3089, 0.4310



42.6392, 0.2252, 0.3388

Sweetspot

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



42.6410, 0.3066, 0.2492



85.5446, 0.3114, 0.3067



39.4006, 0.2591, 0.2529



17.8444, 0.3111, 0.3030



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.



42.6410, 0.3066, 0.2492



50.1968, 0.3046, 0.2311



43.1600, 0.3373, 0.2757



13.8210, 0.3113, 0.3057



9.4599, 0.2817, 0.1325



0.6854, 0.2881, 0.1361

Inverse Universe

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



41.6739, 0.3724, 0.3162



48.7769, 0.3921, 0.3132



63.3819, 0.2945, 0.3893



13.7354, 0.3267, 0.3253



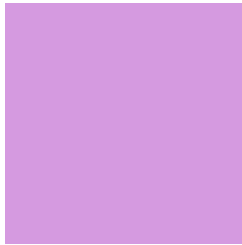
9.3063, 0.6172, 0.3174



0.6560, 0.5786, 0.2961

Previews

White Background



This preview shows how the Yxy color 42.6392, 0.3066, 0.2492 looks on a white background.

Color Contrast Check

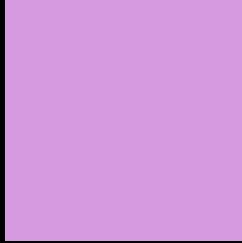
Large Text (above 18pt) WCAG AA × Fail

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 42.6392, 0.3066, 0.2492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

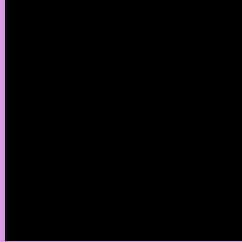
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6392, 0.3066, 0.2492

Background



This preview shows how black text looks on a background with the Yxy color 42.6392, 0.3066, 0.2492.



This preview shows how white text looks on a background with the Yxy color 42.6392, 0.3066, 0.2492.

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

42.6392, 0.3066, 0.2492

Protanopia

43.1281, 0.2532, 0.2477

Deuteranopia

43.0503, 0.2723, 0.2667



Tritanopia

42.4508, 0.3419, 0.3129

Trichromacy



Original Color

42.6392, 0.3066, 0.2492



Protanomaly

42.5027, 0.2705, 0.2474



Deuteranomaly

42.3745, 0.2836, 0.2590



Tritanomaly

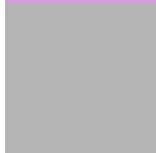
42.5472, 0.3295, 0.2891

Monochromacy



Original Color

42.6392, 0.3066, 0.2492



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

44.3178, 0.3107, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6392, 0.3066, 0.2492 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(213, 154, 224)` looks like.

```
.text, #text, p{  
    color:rgb(213, 154, 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(213, 154, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 154, 224) }
```

Border

The CSS property to change the border of an element to Yxy 42.6392, 0.3066, 0.2492 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(213, 154, 224) }
```

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

```
.border{ border-color:rgb(213, 154, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 154, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 154, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 154, 224);  
box-shadow:4px 4px 4px 4px rgb(213, 154,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6392, 0.3066, 0.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 154, 224) }
```

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

```
.background{ background-color: rgb(213,  
154, 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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