

Converting Colors

$Y_{xy}(13.0441, 0.2469, 0.1260)$

Have a look what the booklet for
Yxy(13.0441, 0.2469, 0.1260)
contains.

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Color

Yxy(13.0668, 0.2473, 0.1263)

Conversions

Conversions Part 1

Format	Color
Hex	962BD6
RGB	150, 43, 214
RGB Percent	59%, 17%, 84%
CMY	0.4116, 0.8316, 0.1607
CMYK	0.30, 0.80, 0.00, 0.16
HSL	278°, 68%, 50%
HSV	278°, 80%, 84%
XYZ	25.5853, 13.0668, 64.8064
YIQ	94.4870, 8.8810, 75.8650

Conversions

Conversions Part 2

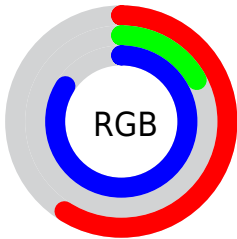
Format	Color
R_{YB}	150, 43, 214
Decimal	9841622
CIE _{Lab}	42.86, 69.12, -66.75
CIE _{LCh}	43, 96.084, 316.000
Yxy	13.0668, 0.2473, 0.1263
Android (android.graphics.Color)	4288031702 (0xFF962BD6)
YUV	94.4870, 58.9199, 48.6849
Hunter-Lab	36.1480, 63.0817, -80.9918

Details

The Yxy color **13.0668, 0.2473, 0.1263** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **51.4003, 0.3301, 0.5555**, and the grayscale version is **11.1664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2781, 0.2770, 0.1708**, and **4.7439, 0.2204, 0.0988** is the 20% darker color. If you saturate the color by 10%, you get **11.1659, 0.2375, 0.1125**, and if you desaturate by 10%, it is **15.8356, 0.2575, 0.1451**.

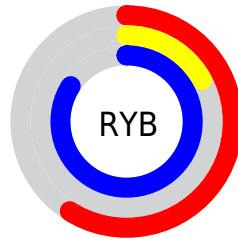
Distribution



Red (59%)

Green (17%)

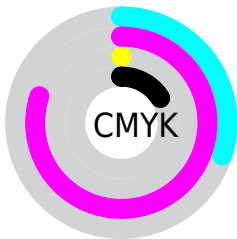
Blue (84%)



Red (59%)

Yellow (17%)

Blue (84%)

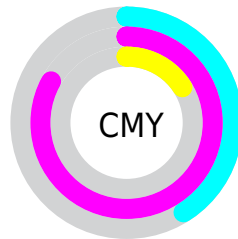


Cyan (30%)

Magenta (80%)

Yellow (0%)

Black (16%)



Cyan (41%)


Magenta (83%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0668, 0.2473, 0.1263 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 13.0668, 0.2473, 0.1263 by changing the saturation by 10% instead.


 13.0668, 0.2473,
0.1263


 13.0668, 0.2473,
0.1263


211.3453, 0.2890,
0.2237


 7.4746, 0.2345,
0.1053


 31.4237, 0.2644,
0.1596


 3.7606, 0.2171,
0.0810


 44.9572, 0.2702,
0.1729

 1.5406, 0.1929,
0.0539

 61.9066, 0.2750,
0.1843

 0.3170, 0.1596,
0.0195

 82.6562, 0.2788,
0.1943

 0.0000, 0.1112,
0.0000

 107.5905, 0.2820,
0.2030

 0.0000, 0.0000,
0.0000

 137.0939, 0.2847,

0.2107

171.5507, 0.2870,
0.2176

■ 13.0668, 0.2473,
0.1263

■ 13.0668, 0.2473,
0.1263

■ 11.1659, 0.2375,
0.1125

■ 15.8356, 0.2575,
0.1451

■ 9.9293, 0.2282,
0.1031

■ 19.5841, 0.2676,
0.1681

■ 9.9217, 0.2282,
0.1031

■ 24.4083, 0.2773,
0.1940

■ 30.3921, 0.2863,
0.2217

■ 37.6109, 0.2944,
0.2500

■ 46.1336, 0.3015,
0.2777

■ 56.0239, 0.3076,
0.3043

■ 67.3413, 0.3127,
0.3292

■ 80.1416, 0.3171,
0.3521

Harmonies

Analogous

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



13.0668, 0.1297, 0.1013



13.0668, 0.2473, 0.1263



13.0668, 0.4458, 0.1834

Triad

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



13.0668, 0.2473, 0.1263



13.0668, 0.5528, 0.4472



13.0668, 0.0713, 0.2918

Complementary

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



13.0668, 0.2473, 0.1263



51.4003, 0.3301, 0.5555

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.



13.0668, 0.1383, 0.5749



13.0668, 0.2473, 0.1263



13.0668, 0.4058, 0.5942

Square

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



13.0668, 0.2473, 0.1263



13.0668, 0.6513, 0.3400



13.0668, 0.2607, 0.7121



13.0668, 0.0581, 0.1526

Rectangle

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



13.0668, 0.2473, 0.1263



13.0668, 0.5799, 0.2339



13.0668, 0.2607, 0.7121



13.0668, 0.0861, 0.3738

Sweetspot

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



13.0673, 0.2473, 0.1263



62.8885, 0.2985, 0.2659



16.2053, 0.1845, 0.1612



12.5019, 0.2959, 0.2559



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.



13.0673, 0.2473, 0.1263



15.2736, 0.2309, 0.1058



19.9214, 0.3449, 0.1792



12.3899, 0.3079, 0.3056



6.0568, 0.2295, 0.1038



0.4119, 0.2453, 0.1125

Inverse Universe

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



17.0838, 0.4892, 0.2674



22.4361, 0.5419, 0.2780



48.9745, 0.2958, 0.5585



12.4969, 0.3233, 0.3203



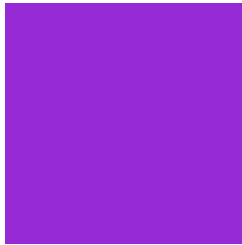
9.0102, 0.5469, 0.2786



0.5592, 0.4997, 0.2526

Previews

White Background



This preview shows how the Yxy color 13.0668, 0.2473, 0.1263 looks on a white background.

Color Contrast Check

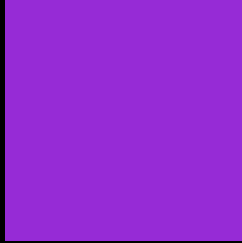
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 13.0668, 0.2473, 0.1263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

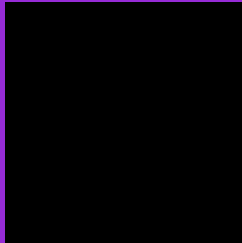
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0668, 0.2473, 0.1263

Background



This preview shows how black text looks on a background with the Yxy color 13.0668, 0.2473, 0.1263.



This preview shows how white text looks on a background with the Yxy color 13.0668, 0.2473, 0.1263.

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

13.0668, 0.2473, 0.1263

Deuteranopia

13.1959, 0.1847, 0.1848

Tritanopia

13.1098, 0.3647, 0.3155

Trichromacy



Original Color

13.0668, 0.2473, 0.1263



Deuteranomaly

10.6526, 0.1858, 0.1403



Tritanomaly

12.1094, 0.3134, 0.2169

Monochromacy



Original Color

13.0668, 0.2473, 0.1263



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

10.4445, 0.2819, 0.2097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0668, 0.2473, 0.1263 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(150, 43, 214)` looks like.

```
.text, #text, p{  
    color:rgb(150, 43, 214)  
}
```

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(150, 43, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 43, 214) }
```

Border

The CSS property to change the border of an element to Yxy 13.0668, 0.2473, 0.1263 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(150, 43, 214) }
```

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

```
.border{ border-color:rgb(150, 43, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 43, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 43, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 43, 214);  
box-shadow:4px 4px 4px 4px rgb(150, 43,  
214) }
```

Background

The CSS property to change the background color of an element to Yxy 13.0668, 0.2473, 0.1263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 43, 214) }
```

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

```
.background{ background-color: rgb(150, 43,  
214) }
```

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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