

Converting Colors

$Y_{xy}(13.5624, 0.3784, 0.2385)$

Have a look what the booklet for
Yxy(13.5624, 0.3784, 0.2385)
contains.

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Color

Yxy(13.5619, 0.3782, 0.2378)

Conversions

Conversions Part 1

Format	Color
Hex	A64280
RGB	166, 66, 128
RGB Percent	65%, 26%, 50%
CMY	0.3490, 0.7411, 0.4981
CMYK	0.00, 0.60, 0.23, 0.35
HSL	323°, 43%, 45%
HSV	323°, 60%, 65%
XYZ	21.5690, 13.5619, 21.8998
YIQ	102.9680, 39.6980, 40.4820

Conversions

Conversions Part 2

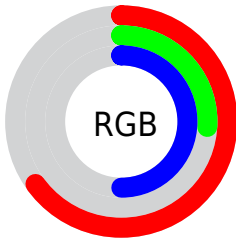
Format	Color
R_{YB}	166, 66, 128
Decimal	10896000
CIE _{Lab}	43.60, 48.09, -14.43
CIE _{LCh}	44, 50.206, 343.302
Yxy	13.5619, 0.3782, 0.2378
Android (android.graphics.Color)	4289086080 (0xFFA64280)
YUV	102.9680, 12.3408, 55.2791
Hunter-Lab	36.8265, 40.0998, -9.4797

Details

The Yxy color **13.5619, 0.3782, 0.2378** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **29.4290, 0.2801, 0.4485**, and the grayscale version is **13.5146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3771, 0.3636, 0.2578**, and **3.9874, 0.4051, 0.2022** is the 20% darker color. If you saturate the color by 10%, you get **11.7350, 0.3943, 0.2275**, and if you desaturate by 10%, it is **15.9633, 0.3634, 0.2510**.

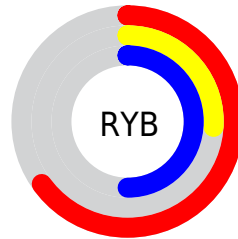
Distribution



Red (65%)

Green (26%)

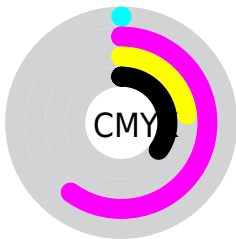
Blue (50%)



Red (65%)

Yellow (26%)

Blue (50%)

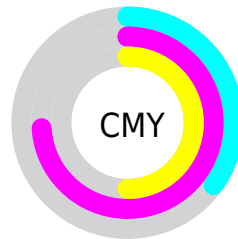


Cyan (0%)

Magenta (60%)

Yellow (23%)

Black (35%)



Cyan (35%)


Magenta (74%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5619, 0.3782, 0.2378 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 13.5619, 0.3782, 0.2378 by changing the saturation by 10% instead.


 13.5619, 0.3782,
0.2378


 13.5619, 0.3782,
0.2378


214.4881, 0.3407,
0.2889


 7.8166, 0.3895,
0.2230


 32.3096, 0.3632,
0.2578

 3.9778, 0.4054,
0.2026


 46.0809, 0.3581,
0.2649

 1.6612, 0.4294,
0.1730

 63.2962, 0.3538,
0.2707

 0.3983, 0.4794,
0.1078

 84.3400, 0.3503,
0.2756

 0.0000, 0.6787,
0.0000

 109.5967, 0.3474,
0.2797

 0.0000, 0.0000,
0.0000

139.4507, 0.3448,

0.2832

174.2864, 0.3426,
0.2862

■ 13.5619, 0.3782,
0.2378

■ 13.5619, 0.3782,
0.2378

■ 11.7350, 0.3943,
0.2275

■ 15.9633, 0.3634,
0.2510

■ 10.4302, 0.4112,
0.2213

■ 18.9817, 0.3501,
0.2660

■ 9.5889, 0.4282,
0.2198

■ 22.6577, 0.3385,
0.2819

■ 9.0837, 0.4447,
0.2224

■ 27.0279, 0.3285,
0.2980

■ 32.1263, 0.3200,
0.3137

■ 37.9846, 0.3129,
0.3287

■ 44.6325, 0.3069,
0.3428

■ 52.0982, 0.3019,
0.3559

■ 60.4085, 0.2977,
0.3681

Harmonies

Analogous

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



13.5619, 0.2719, 0.1961



13.5619, 0.3782, 0.2378



13.5619, 0.4764, 0.2973

Triad

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



13.5619, 0.3782, 0.2378



13.5619, 0.4171, 0.5038



13.5619, 0.1431, 0.2386

Complementary

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



13.5619, 0.3782, 0.2378



29.4290, 0.2801, 0.4485

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.



13.5619, 0.1680, 0.3329



13.5619, 0.3782, 0.2378



13.5619, 0.3234, 0.5239

Square

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



13.5619, 0.3782, 0.2378



13.5619, 0.4903, 0.4379



13.5619, 0.2318, 0.4541



13.5619, 0.1524, 0.1907

Rectangle

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



13.5619, 0.3782, 0.2378



13.5619, 0.5120, 0.3421



13.5619, 0.2318, 0.4541



13.5619, 0.1473, 0.2647

Sweetspot

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



13.5626, 0.3782, 0.2378



50.7094, 0.3268, 0.3010



9.5151, 0.2356, 0.1558



10.8023, 0.3294, 0.2965



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.5626, 0.3782, 0.2378



20.4670, 0.3995, 0.2251



12.5738, 0.4709, 0.3100



7.6175, 0.3193, 0.3151



7.0537, 0.4433, 0.2216



0.1811, 0.3936, 0.1942

Inverse Universe

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



13.5626, 0.3782, 0.2378



20.4670, 0.3995, 0.2251



30.7180, 0.2480, 0.3527



7.6175, 0.3193, 0.3151



7.0537, 0.4433, 0.2216



0.1811, 0.3936, 0.1942

Previews

White Background



This preview shows how the Yxy color 13.5619, 0.3782, 0.2378 looks on a white background.

Color Contrast Check

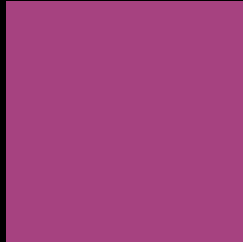
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Xy color 13.5619, 0.3782, 0.2378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

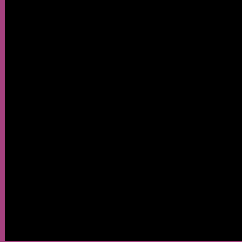
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5619, 0.3782, 0.2378

Background



This preview shows how black text looks on a background with the Yxy color 13.5619, 0.3782, 0.2378.



This preview shows how white text looks on a background with the Yxy color 13.5619, 0.3782, 0.2378.

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

13.5619, 0.3782, 0.2378

Protanopia

13.8477, 0.2367, 0.2260

Deuteranopia

13.7407, 0.2901, 0.2836



Tritanopia

13.5983, 0.4512, 0.3216

Trichromacy



Original Color

13.5619, 0.3782, 0.2378

Protanomaly

12.8339, 0.2763, 0.2251

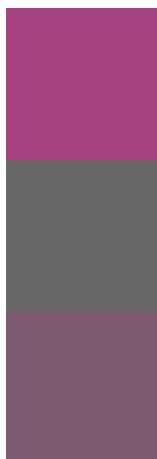
Deuteranomaly

12.9721, 0.3190, 0.2595

Tritanomaly

13.4525, 0.4240, 0.2890

Monochromacy



Original Color

13.5619, 0.3782, 0.2378

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

12.9178, 0.3365, 0.2863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5619, 0.3782, 0.2378 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(166, 66, 128)` looks like.

```
.text, #text, p{  
    color:rgb(166, 66, 128)  
}
```

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(166, 66, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 66, 128) }
```

Border

The CSS property to change the border of an element to Yxy 13.5619, 0.3782, 0.2378 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(166, 66, 128) }
```

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

```
.border{ border-color:rgb(166, 66, 128) }
```

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

Here you see how a box with a 4 pixel rgb(166, 66, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 66, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 66, 128);  
box-shadow:4px 4px 4px 4px rgb(166, 66,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5619, 0.3782, 0.2378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 66, 128) }
```

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

```
.background{ background-color: rgb(166, 66,  
128) }
```

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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