

Converting Colors

$Y_{xy}(13.2556, 0.4190, 0.2609)$

Have a look what the booklet for
Yxy(13.2556, 0.4190, 0.2609)
contains.

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Color

Yxy(13.3387, 0.4200, 0.2619)

Conversions

Conversions Part 1

Format	Color
Hex	AB3F6E
RGB	171, 63, 110
RGB Percent	67%, 25%, 43%
CMY	0.3293, 0.7530, 0.5686
CMYK	0.00, 0.63, 0.36, 0.33
HSL	334°, 46%, 46%
HSV	334°, 63%, 67%
XYZ	21.3908, 13.3387, 16.2010
YIQ	100.6500, 49.2810, 37.5130

Conversions

Conversions Part 2

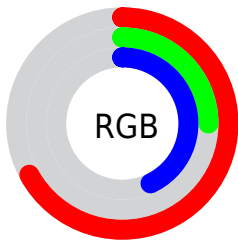
Format	Color
R_{YB}	171, 63, 110
Decimal	11222894
CIE _{Lab}	43.27, 48.66, -3.79
CIE _{LCh}	43, 48.812, 355.545
Yxy	13.3387, 0.4200, 0.2619
Android (android.graphics.Color)	4289412974 (0xFFAB3F6E)
YUV	100.6500, 4.6096, 61.6970
Hunter-Lab	36.5222, 40.6325, -0.7351

Details

The Yxy color **13.3387, 0.4200, 0.2619** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **31.6464, 0.2665, 0.4163**, and the grayscale version is **12.8962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7220, 0.3940, 0.2778**, and **4.0037, 0.4679, 0.2351** is the 20% darker color. If you saturate the color by 10%, you get **11.5320, 0.4471, 0.2566**, and if you desaturate by 10%, it is **15.7580, 0.3953, 0.2703**.

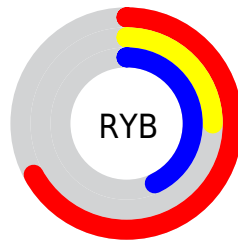
Distribution



Red (67%)

Green (25%)

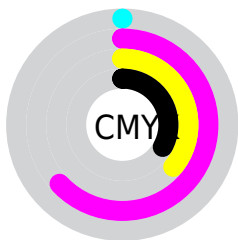
Blue (43%)



Red (67%)

Yellow (25%)

Blue (43%)

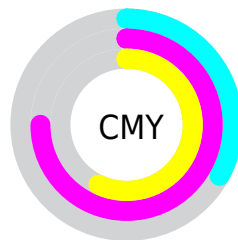


Cyan (0%)

Magenta (63%)

Yellow (36%)

Black (33%)



Cyan (33%)


Magenta (75%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3387, 0.4200, 0.2619 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 13.3387, 0.4200, 0.2619 by changing the saturation by 10% instead.


 13.3387, 0.4200,
0.2619


 13.3387, 0.4200,
0.2619


213.0771, 0.3562,
0.3012


 7.6622, 0.4406,
0.2496


 31.9109, 0.3938,
0.2778


 3.8796, 0.4706,
0.2320

 45.5755, 0.3849,
0.2833

 1.6064, 0.5180,
0.2048

 62.6715, 0.3778,
0.2877

 0.3619, 0.6299,
0.1312

 83.5833, 0.3719,
0.2913

 0.0000, 1.0000,
0.0000

 108.6954, 0.3670,
0.2944

 0.0000, 0.0000,
0.0000

138.3921, 0.3629,

0.2970

173.0579, 0.3593,
0.2992

■ 13.3387, 0.4200,
0.2619

■ 13.3387, 0.4200,
0.2619

■ 11.5320, 0.4471,
0.2566

■ 15.7580, 0.3953,
0.2703

■ 10.2784, 0.4754,
0.2557

■ 18.8379, 0.3737,
0.2807

■ 9.5103, 0.5034,
0.2600

■ 22.6238, 0.3551,
0.2920

■ 9.1611, 0.5219,
0.2649

■ 27.1566, 0.3395,
0.3036

■ 32.4741, 0.3265,
0.3149

■ 38.6115, 0.3157,
0.3257

■ 45.6017, 0.3069,
0.3358

■ 53.4760, 0.2995,
0.3452

■ 62.2640, 0.2935,
0.3538

Harmonies

Analogous

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



13.3387, 0.3133, 0.2125



13.3387, 0.4200, 0.2619



13.3387, 0.4978, 0.3250

Triad

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



13.3387, 0.4200, 0.2619



13.3387, 0.3795, 0.5168



13.3387, 0.1459, 0.2163

Complementary

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



13.3387, 0.4200, 0.2619



31.6464, 0.2665, 0.4163

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.



13.3387, 0.1562, 0.2900



13.3387, 0.4200, 0.2619



13.3387, 0.2854, 0.5021

Square

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



13.3387, 0.4200, 0.2619



13.3387, 0.4621, 0.4651



13.3387, 0.2036, 0.4038



13.3387, 0.1679, 0.1848

Rectangle

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



13.3387, 0.4200, 0.2619



13.3387, 0.5137, 0.3708



13.3387, 0.2036, 0.4038



13.3387, 0.1456, 0.2357

Sweetspot

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



13.3394, 0.4200, 0.2619



52.1061, 0.3342, 0.3080



10.6611, 0.2548, 0.1578



11.0513, 0.3380, 0.3048



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



13.3394, 0.4200, 0.2619



19.5971, 0.4588, 0.2557



13.1999, 0.5049, 0.3368



8.0711, 0.3221, 0.3192



6.9141, 0.5195, 0.2636



0.2035, 0.4447, 0.2223

Inverse Universe

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



13.3394, 0.4200, 0.2619



19.5971, 0.4588, 0.2557



31.1326, 0.2357, 0.3195



8.0711, 0.3221, 0.3192



6.9141, 0.5195, 0.2636



0.2035, 0.4447, 0.2223

Previews

White Background



This preview shows how the Yxy color 13.3387, 0.4200, 0.2619 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 13.3387, 0.4200, 0.2619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

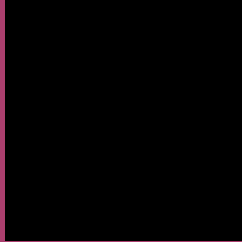
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3387, 0.4200, 0.2619

Background



This preview shows how black text looks on a background with the Yxy color 13.3387, 0.4200, 0.2619.



This preview shows how white text looks on a background with the Yxy color 13.3387, 0.4200, 0.2619.

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

13.3387, 0.4200, 0.2619

Protanopia

13.6317, 0.2632, 0.2611

Deuteranopia

13.5790, 0.3235, 0.3186



Tritanopia

13.3393, 0.4774, 0.3237

Trichromacy



Original Color

13.3387, 0.4200, 0.2619

Protanomaly

12.6234, 0.3101, 0.2562

Deuteranomaly

12.8645, 0.3563, 0.2913

Tritanomaly

13.2738, 0.4569, 0.3003

Monochromacy



Original Color

13.3387, 0.4200, 0.2619

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.2515, 0.3500, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3387, 0.4200, 0.2619 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(171, 63, 110)` looks like.

```
.text, #text, p{  
    color:rgb(171, 63, 110)  
}
```

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(171, 63, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 63, 110) }
```

Border

The CSS property to change the border of an element to Yxy 13.3387, 0.4200, 0.2619 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(171, 63, 110) }
```

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

```
.border{ border-color:rgb(171, 63, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 63, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 63, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 63, 110);  
box-shadow:4px 4px 4px 4px rgb(171, 63,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3387, 0.4200, 0.2619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 63, 110) }
```

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

```
.background{ background-color: rgb(171, 63,  
110) }
```

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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