

Converting Colors

$Y_{xy}(13.3259, 0.4499, 0.2906)$

Have a look what the booklet for
Yxy(13.3259, 0.4499, 0.2906)
contains.

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Color

Yxy(13.2328, 0.4500, 0.2904)

Conversions

Conversions Part 1

Format	Color
Hex	AA425D
RGB	170, 66, 93
RGB Percent	67%, 26%, 36%
CMY	0.3332, 0.7412, 0.6353
CMYK	0.00, 0.61, 0.45, 0.33
HSL	344°, 44%, 46%
HSV	344°, 61%, 67%
XYZ	20.5054, 13.2328, 11.8293
YIQ	100.1740, 53.3170, 30.4450

Conversions

Conversions Part 2

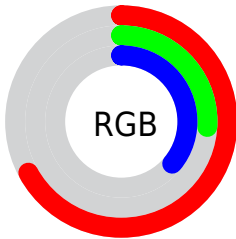
Format	Color
RYB	170, 66, 93
Decimal	11158109
CIELab	43.11, 45.09, 6.48
CIElCh	43, 45.550, 8.184
Yxy	13.2328, 0.4500, 0.2904
Android (android.graphics.Color)	4289348189 (0xFFAA425D)
YUV	100.1740, -3.5368, 61.2374
Hunter-Lab	36.3769, 36.9594, 6.1835

Details

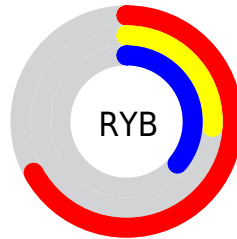
The Yxy color **13.2328, 0.4500, 0.2904** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **31.8994, 0.2554, 0.3775**, and the grayscale version is **12.7887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8348, 0.4157, 0.3017**, and **3.8028, 0.5186, 0.2677** is the 20% darker color. If you saturate the color by 10%, you get **11.3290, 0.4869, 0.2881**, and if you desaturate by 10%, it is **15.7651, 0.4167, 0.2952**.

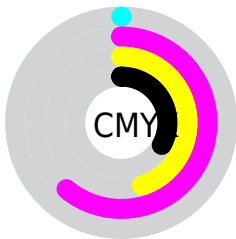
Distribution



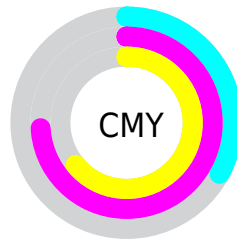
- Red (67%)
- Green (26%)
- Blue (36%)



- Red (67%)
- Yellow (26%)
- Blue (36%)



- Cyan (0%)
- Magenta (61%)
- Yellow (45%)
- Black (33%)





- Cyan (33%)
- Magenta (74%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2328, 0.4500, 0.2904 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 13.2328, 0.4500, 0.2904 by changing the saturation by 10% instead.


 13.2328, 0.4500,
0.2904


 13.2328, 0.4500,
0.2904


212.4043, 0.3671,
0.3151


 7.5890, 0.4773,
0.2814


 31.7214, 0.4155,
0.3012


 3.8331, 0.5175,
0.2674

 45.3350, 0.4039,
0.3046


 1.5807, 0.5814,
0.2435

 62.3741, 0.3947,
0.3073

 0.3445, 0.8205,
0.1795

 83.2229, 0.3872,
0.3095

 0.0000, 1.0000,
0.0000

 108.2660, 0.3809,
0.3113

 0.0000, 0.0000,
0.0000

137.8876, 0.3756,

0.3128

172.4723, 0.3710,
0.3140

■ 13.2328, 0.4500,
0.2904

■ 13.2328, 0.4500,
0.2904

■ 11.3290, 0.4869,
0.2881

■ 15.7651, 0.4167,
0.2952

■ 9.9958, 0.5250,
0.2893

■ 18.9729, 0.3878,
0.3013

■ 9.1678, 0.5609,
0.2947

■ 22.9013, 0.3637,
0.3082

■ 8.7317, 0.5885,
0.3015

■ 27.5907, 0.3437,
0.3152

■ 33.0786, 0.3274,
0.3219

■ 39.3998, 0.3141,
0.3283

■ 46.5874, 0.3033,
0.3342

■ 54.6724, 0.2945,
0.3396

■ 63.6844, 0.2872,
0.3445

Harmonies

Analogous

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



13.2328, 0.3559, 0.2362



13.2328, 0.4500, 0.2904



13.2328, 0.4995, 0.3543

Triad

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



13.2328, 0.4500, 0.2904



13.2328, 0.3402, 0.5086



13.2328, 0.1592, 0.2059

Complementary

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



13.2328, 0.4500, 0.2904



31.8994, 0.2554, 0.3775

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.



13.2328, 0.1560, 0.2586



13.2328, 0.4500, 0.2904



13.2328, 0.2526, 0.4581

Square

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



13.2328, 0.4500, 0.2904



13.2328, 0.4253, 0.4834



13.2328, 0.1866, 0.3521



13.2328, 0.1937, 0.1890

Rectangle

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



13.2328, 0.4500, 0.2904



13.2328, 0.4971, 0.3992



13.2328, 0.1866, 0.3521



13.2328, 0.1547, 0.2190

Sweetspot

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



13.2335, 0.4500, 0.2904



52.7463, 0.3387, 0.3171



12.5732, 0.2820, 0.1737



11.1649, 0.3437, 0.3152



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.



13.2335, 0.4500, 0.2904



19.6855, 0.4988, 0.2881



16.2980, 0.4750, 0.3644



7.5731, 0.3247, 0.3232



6.4292, 0.5857, 0.3000



0.1646, 0.4958, 0.2505

Inverse Universe

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



13.2335, 0.4500, 0.2904



19.6855, 0.4988, 0.2881



24.5409, 0.2295, 0.2853



7.5731, 0.3247, 0.3232



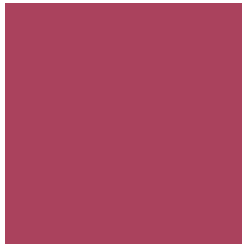
6.4292, 0.5857, 0.3000



0.1646, 0.4958, 0.2505

Previews

White Background



This preview shows how the Yxy color 13.2328, 0.4500, 0.2904 looks on a white background.

Color Contrast Check

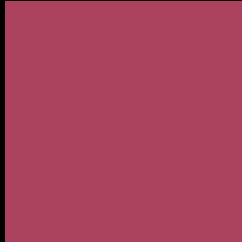
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2328, 0.4500, 0.2904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

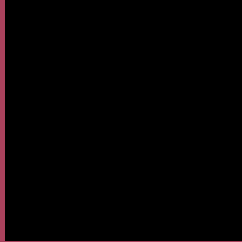
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2328, 0.4500, 0.2904

Background



This preview shows how black text looks on a background with the Yxy color 13.2328, 0.4500, 0.2904.



This preview shows how white text looks on a background with the Yxy color 13.2328, 0.4500, 0.2904.

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

13.2328, 0.4500, 0.2904

Protanopia

13.4617, 0.2971, 0.3053

Deuteranopia

13.4798, 0.3577, 0.3521



Tritanopia

13.3097, 0.4814, 0.3238

Trichromacy



Original Color

13.2328, 0.4500, 0.2904

Protanomaly

12.6210, 0.3462, 0.2956

Deuteranomaly

12.8729, 0.3914, 0.3236

Tritanomaly

13.2853, 0.4694, 0.3122

Monochromacy



Original Color

13.2328, 0.4500, 0.2904

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.2025, 0.3596, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2328, 0.4500, 0.2904 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(170, 66, 93)` looks like.

```
.text, #text, p{  
    color:rgb(170, 66, 93)  
}
```

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(170, 66, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 66, 93) }
```

Border

The CSS property to change the border of an element to Yxy 13.2328, 0.4500, 0.2904 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(170, 66, 93) }
```

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

```
.border{ border-color:rgb(170, 66, 93) }
```

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

Here you see how a box with a 4 pixel rgb(170, 66, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 66, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 66, 93);  
box-shadow:4px 4px 4px 4px rgb(170, 66,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2328, 0.4500, 0.2904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 66, 93) }
```

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

```
.background{ background-color: rgb(170, 66,  
93) }
```

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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