

Converting Colors

$Y_{xy}(13.2875, 0.4378, 0.2848)$

Have a look what the booklet for
Yxy(13.2875, 0.4378, 0.2848)
contains.

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Color

Yxy(13.2210, 0.4368, 0.2836)

Conversions

Conversions Part 1

Format	Color
Hex	A84362
RGB	168, 67, 98
RGB Percent	66%, 26%, 38%
CMY	0.3411, 0.7373, 0.6157
CMYK	0.00, 0.60, 0.42, 0.34
HSL	342°, 43%, 46%
HSV	342°, 60%, 66%
XYZ	20.3630, 13.2210, 13.0345
YIQ	100.7330, 50.2450, 31.0530

Conversions

Conversions Part 2

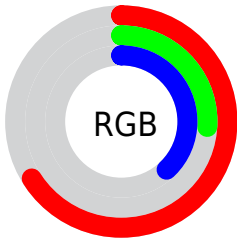
Format	Color
R_{YB}	168, 67, 98
Decimal	11027298
CIE Lab	43.09, 44.47, 3.32
CIE LCh	43, 44.590, 4.267
Yxy	13.2210, 0.4368, 0.2836
Android (android.graphics.Color)	4289217378 (0xFFA84362)
YUV	100.7330, -1.3474, 58.9932
Hunter-Lab	36.3607, 36.3335, 4.1983

Details

The Yxy color **13.2210, 0.4368, 0.2836** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **31.0106, 0.2591, 0.3857**, and the grayscale version is **12.9349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7716, 0.4045, 0.2954**, and **3.8446, 0.4977, 0.2593** is the 20% darker color. If you saturate the color by 10%, you get **11.3017, 0.4707, 0.2800**, and if you desaturate by 10%, it is **15.7532, 0.4064, 0.2897**.

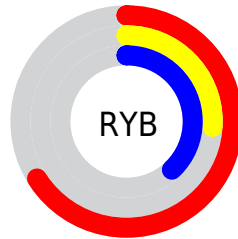
Distribution



Red (66%)

Green (26%)

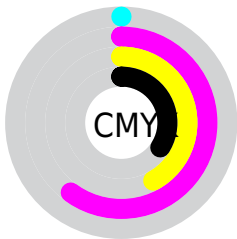
Blue (38%)



Red (66%)

Yellow (26%)

Blue (38%)

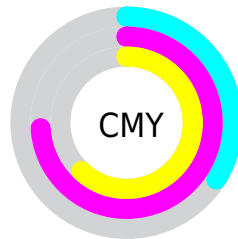


Cyan (0%)

Magenta (60%)

Yellow (42%)

Black (34%)



Cyan (34%)


Magenta (74%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2210, 0.4368, 0.2836 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 13.2210, 0.4368, 0.2836 by changing the saturation by 10% instead.


 13.2210, 0.4368,
0.2836


 13.2210, 0.4368,
0.2836


212.3292, 0.3620,
0.3116


 7.5809, 0.4615,
0.2740


 31.7003, 0.4057,
0.2955


 3.8280, 0.4978,
0.2594

 45.3082, 0.3953,
0.2994


 1.5778, 0.5560,
0.2353

 62.3409, 0.3870,
0.3025

 0.3426, 0.7621,
0.1685

 83.1827, 0.3802,
0.3050

 0.0000, 1.0000,
0.0000

 108.2180, 0.3745,
0.3071

 0.0000, 0.0000,
0.0000

137.8313, 0.3697,

0.3088

172.4069, 0.3656,
0.3103

■ 13.2210, 0.4368,
0.2836

■ 13.2210, 0.4368,
0.2836

■ 11.3017, 0.4707,
0.2800

■ 15.7532, 0.4064,
0.2897

■ 9.9401, 0.5063,
0.2801

■ 18.9429, 0.3802,
0.2972

■ 9.0745, 0.5410,
0.2847

■ 22.8332, 0.3582,
0.3053

■ 8.5708, 0.5720,
0.2925

■ 27.4627, 0.3400,
0.3135

■ 32.8673, 0.3251,
0.3214

■ 39.0804, 0.3129,
0.3289

■ 46.1336, 0.3029,
0.3358

■ 54.0567, 0.2947,
0.3422

■ 62.8782, 0.2880,
0.3480

Harmonies

Analogous

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



13.2210, 0.3422, 0.2320



13.2210, 0.4368, 0.2836



13.2210, 0.4930, 0.3458

Triad

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



13.2210, 0.4368, 0.2836



13.2210, 0.3517, 0.5052



13.2210, 0.1595, 0.2127

Complementary

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



13.2210, 0.4368, 0.2836



31.0106, 0.2591, 0.3857

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.



13.2210, 0.1606, 0.2700



13.2210, 0.4368, 0.2836



13.2210, 0.2646, 0.4659

Square

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



13.2210, 0.4368, 0.2836



13.2210, 0.4334, 0.4742



13.2210, 0.1956, 0.3659



13.2210, 0.1895, 0.1917

Rectangle

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



13.2210, 0.4368, 0.2836



13.2210, 0.4963, 0.3899



13.2210, 0.1956, 0.3659



13.2210, 0.1564, 0.2274

Sweetspot

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



13.2217, 0.4368, 0.2836



51.4822, 0.3371, 0.3150



12.0772, 0.2760, 0.1733



10.6620, 0.3417, 0.3127



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.



13.2217, 0.4368, 0.2836



19.6105, 0.4820, 0.2796



15.3097, 0.4762, 0.3565



7.5788, 0.3239, 0.3221



6.4791, 0.5694, 0.2911



0.1667, 0.4782, 0.2408

Inverse Universe

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



13.2217, 0.4368, 0.2836



19.6105, 0.4820, 0.2796



25.6726, 0.2328, 0.2957



7.5788, 0.3239, 0.3221



6.4791, 0.5694, 0.2911



0.1667, 0.4782, 0.2408

Previews

White Background



This preview shows how the Yxy color 13.2210, 0.4368, 0.2836 looks on a white background.

Color Contrast Check

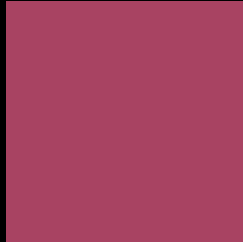
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2210, 0.4368, 0.2836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

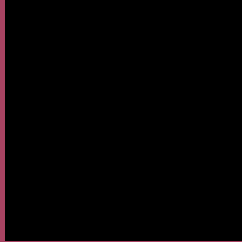
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2210, 0.4368, 0.2836

Background



This preview shows how black text looks on a background with the Yxy color 13.2210, 0.4368, 0.2836.



This preview shows how white text looks on a background with the Yxy color 13.2210, 0.4368, 0.2836.

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

13.2210, 0.4368, 0.2836

Protanopia

13.5201, 0.2896, 0.2949

Deuteranopia

13.4270, 0.3471, 0.3417



Tritanopia

13.1353, 0.4729, 0.3221

Trichromacy



Original Color

13.2210, 0.4368, 0.2836

Protanomaly

12.6524, 0.3367, 0.2859

Deuteranomaly

12.7935, 0.3796, 0.3140

Tritanomaly

13.2359, 0.4602, 0.3088

Monochromacy



Original Color

13.2210, 0.4368, 0.2836

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.4248, 0.3542, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2210, 0.4368, 0.2836 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(168, 67, 98)` looks like.

```
.text, #text, p{  
    color:rgb(168, 67, 98)  
}
```

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(168, 67, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 67, 98) }
```

Border

The CSS property to change the border of an element to Yxy 13.2210, 0.4368, 0.2836 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(168, 67, 98) }
```

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

```
.border{ border-color:rgb(168, 67, 98) }
```

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

Here you see how a box with a 4 pixel rgb(168, 67, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 67, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 67, 98);  
box-shadow:4px 4px 4px 4px rgb(168, 67,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2210, 0.4368, 0.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 67, 98) }
```

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

```
.background{ background-color: rgb(168, 67,  
98) }
```

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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