

Converting Colors

$Y_{xy}(13.8222, 0.4061, 0.2686)$

Have a look what the booklet for
Yxy(13.8222, 0.4061, 0.2686)
contains.

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Color

Yxy(13.7612, 0.4071, 0.2687)

Conversions

Conversions Part 1

Format	Color
Hex	A6476F
RGB	166, 71, 111
RGB Percent	65%, 28%, 44%
CMY	0.3490, 0.7216, 0.5646
CMYK	0.00, 0.57, 0.33, 0.35
HSL	335°, 40%, 46%
HSV	335°, 57%, 65%
XYZ	20.8492, 13.7612, 16.6036
YIQ	103.9650, 43.7800, 32.5800

Conversions

Conversions Part 2

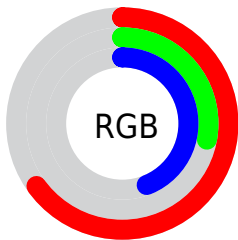
Format	Color
RYB	166, 71, 111
Decimal	10897263
CIELab	43.89, 43.41, -3.59
CIELCh	44, 43.555, 355.266
Yxy	13.7612, 0.4071, 0.2687
Android (android.graphics.Color)	4289087343 (0xFFA6476F)
YUV	103.9650, 3.4683, 54.4047
Hunter-Lab	37.0961, 35.4047, -0.5699

Details

The Yxy color **13.7612, 0.4071, 0.2687** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **30.1172, 0.2681, 0.4037**, and the grayscale version is **13.8161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6576, 0.3840, 0.2823**, and **4.0800, 0.4540, 0.2430** is the 20% darker color. If you saturate the color by 10%, you get **11.7306, 0.4335, 0.2617**, and if you desaturate by 10%, it is **16.3926, 0.3836, 0.2781**.

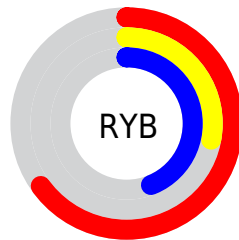
Distribution



Red (65%)

Green (28%)

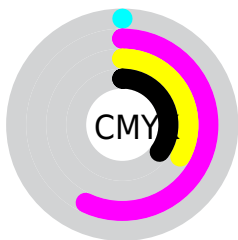
Blue (44%)



Red (65%)

Yellow (28%)

Blue (44%)

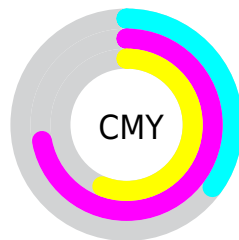


Cyan (0%)

Magenta (57%)

Yellow (33%)

Black (35%)



Cyan (35%)


Magenta (72%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7612, 0.4071, 0.2687 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 13.7612, 0.4071, 0.2687 by changing the saturation by 10% instead.


 13.7612, 0.4071,
0.2687


 13.7612, 0.4071,
0.2687


215.7401, 0.3511,
0.3039


 7.9548, 0.4251,
0.2577


 32.6647, 0.3841,
0.2830


 4.0660, 0.4515,
0.2418

 46.5306, 0.3763,
0.2879

 1.7106, 0.4933,
0.2172

 63.8517, 0.3700,
0.2919

 0.4305, 0.5873,
0.1544

 85.0125, 0.3649,
0.2951

 0.0000, 1.0000,
0.0000

 110.3973, 0.3606,
0.2979

 0.0000, 0.0000,
0.0000

140.3906, 0.3570,

0.3002

175.3768, 0.3538,
0.3022

■ 13.7612, 0.4071,
0.2687

■ 13.7612, 0.4071,
0.2687

■ 11.7306, 0.4335,
0.2617

■ 16.3926, 0.3836,
0.2781

■ 10.2499, 0.4621,
0.2583

■ 19.6663, 0.3633,
0.2888

■ 9.2630, 0.4913,
0.2596

■ 23.6224, 0.3461,
0.2999

■ 8.6825, 0.5194,
0.2658

■ 28.2970, 0.3318,
0.3110

■ 8.5482, 0.5272,
0.2678

■ 33.7238, 0.3200,
0.3217

■ 39.9343, 0.3102,
0.3317

■ 46.9582, 0.3021,
0.3410

■ 54.8236, 0.2955,
0.3496

■ 63.5574, 0.2900,
0.3575

Harmonies

Analogous

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



13.7612, 0.3132, 0.2232



13.7612, 0.4071, 0.2687



13.7612, 0.4763, 0.3273

Triad

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



13.7612, 0.4071, 0.2687



13.7612, 0.3765, 0.4957



13.7612, 0.1609, 0.2293

Complementary

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



13.7612, 0.4071, 0.2687



30.1172, 0.2681, 0.4037

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.



13.7612, 0.1718, 0.2970



13.7612, 0.4071, 0.2687



13.7612, 0.2914, 0.4797

Square

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



13.7612, 0.4071, 0.2687



13.7612, 0.4498, 0.4540



13.7612, 0.2166, 0.3959



13.7612, 0.1811, 0.1988

Rectangle

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



13.7612, 0.4071, 0.2687



13.7612, 0.4920, 0.3697



13.7612, 0.2166, 0.3959



13.7612, 0.1610, 0.2475

Sweetspot

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



13.7619, 0.4071, 0.2687



51.2761, 0.3319, 0.3109



11.6074, 0.2639, 0.1744



11.0885, 0.3345, 0.3088



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.



13.7619, 0.4071, 0.2687



20.3678, 0.4421, 0.2602



13.9166, 0.4757, 0.3388



7.5928, 0.3222, 0.3195



6.6378, 0.5249, 0.2665



0.1718, 0.4422, 0.2210

Inverse Universe

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



13.7619, 0.4071, 0.2687



20.3678, 0.4421, 0.2602



29.1185, 0.2400, 0.3177



7.5928, 0.3222, 0.3195



6.6378, 0.5249, 0.2665



0.1718, 0.4422, 0.2210

Previews

White Background



This preview shows how the Yxy color 13.7612, 0.4071, 0.2687 looks on a white background.

Color Contrast Check

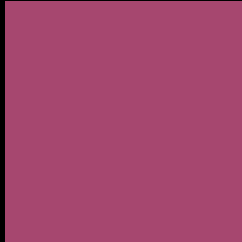
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7612, 0.4071, 0.2687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

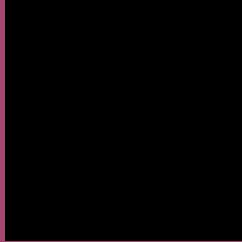
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7612, 0.4071, 0.2687

Background



This preview shows how black text looks on a background with the Yxy color 13.7612, 0.4071, 0.2687.



This preview shows how white text looks on a background with the Yxy color 13.7612, 0.4071, 0.2687.

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

13.7612, 0.4071, 0.2687

Protanopia

13.9078, 0.2701, 0.2694

Deuteranopia

13.9254, 0.3249, 0.3187



Tritanopia

13.8095, 0.4541, 0.3218

Trichromacy



Original Color

13.7612, 0.4071, 0.2687

Protanomaly

13.0750, 0.3127, 0.2654

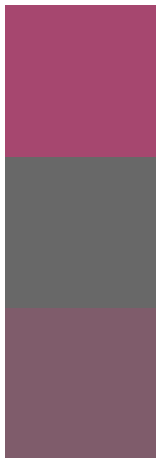
Deuteranomaly

13.3816, 0.3537, 0.2951

Tritanomaly

13.8218, 0.4369, 0.3018

Monochromacy



Original Color

13.7612, 0.4071, 0.2687

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.2279, 0.3453, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7612, 0.4071, 0.2687 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, 71, 111)` looks like.

```
.text, #text, p{  
    color:rgb(166, 71, 111)  
}
```

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, 71, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 71, 111) }
```

Border

The CSS property to change the border of an element to Yxy 13.7612, 0.4071, 0.2687 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, 71, 111) }
```

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

```
.border{ border-color:rgb(166, 71, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 71, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 71, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 71, 111);  
box-shadow:4px 4px 4px 4px rgb(166, 71,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7612, 0.4071, 0.2687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 71, 111) }
```

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

```
.background{ background-color: rgb(166, 71,  
111) }
```

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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