

Converting Colors

$Y_{xy}(13.3746, 0.4040, 0.2751)$

Have a look what the booklet for
Yxy(13.3746, 0.4040, 0.2751)
contains.

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Color

Yxy(13.3214, 0.4027, 0.2739)

Conversions

Conversions Part 1

Format	Color
Hex	A0496C
RGB	160, 73, 108
RGB Percent	63%, 29%, 42%
CMY	0.3726, 0.7137, 0.5764
CMYK	0.00, 0.54, 0.32, 0.37
HSL	336°, 37%, 46%
HSV	336°, 54%, 63%
XYZ	19.5857, 13.3214, 15.7289
YIQ	103.0030, 40.6170, 29.3290

Conversions

Conversions Part 2

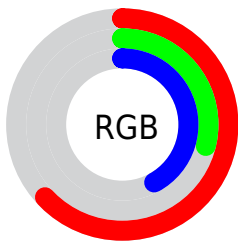
Format	Color
RYB	160, 73, 108
Decimal	10504556
CIELab	43.24, 39.97, -2.80
CIELCh	43, 40.065, 355.998
Yxy	13.3214, 0.4027, 0.2739
Android (android.graphics.Color)	4288694636 (0xFFA0496C)
YUV	103.0030, 2.4635, 49.9864
Hunter-Lab	36.4985, 31.9138, -0.0018

Details

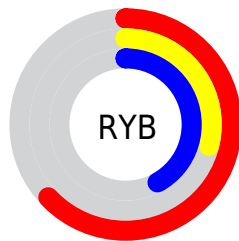
The Yxy color **13.3214, 0.4027, 0.2739** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **28.0362, 0.2684, 0.3956**, and the grayscale version is **13.5507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9221, 0.3807, 0.2879**, and **3.8405, 0.4449, 0.2470** is the 20% darker color. If you saturate the color by 10%, you get **11.2904, 0.4293, 0.2665**, and if you desaturate by 10%, it is **15.9169, 0.3793, 0.2833**.

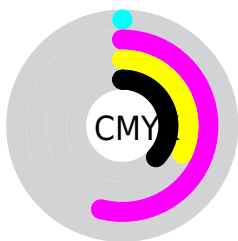
Distribution



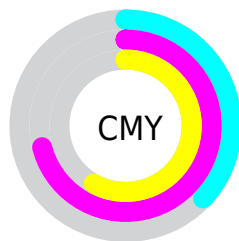
- Red (63%)
- Green (29%)
- Blue (42%)



- Red (63%)
- Yellow (29%)
- Blue (42%)



- Cyan (0%)
- Magenta (54%)
- Yellow (32%)
- Black (37%)





- Cyan (37%)
- Magenta (71%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.3214, 0.4027, 0.2739 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 13.3214, 0.4027, 0.2739 by changing the saturation by 10% instead.


 13.3214, 0.4027,
0.2739


 13.3214, 0.4027,
0.2739


212.9673, 0.3490,
0.3064


 7.6502, 0.4203,
0.2635


 31.8800, 0.3805,
0.2872


 3.8720, 0.4461,
0.2484

 45.5362, 0.3730,
0.2917

 1.6022, 0.4878,
0.2246

 62.6229, 0.3670,
0.2954

 0.3591, 0.5989,
0.1523

 83.5245, 0.3621,
0.2984

 0.0000, 1.0000,
0.0000

 108.6253, 0.3580,
0.3009

 0.0000, 0.0000,
0.0000

138.3098, 0.3545,

0.3030

172.9623, 0.3515,
0.3048

■ 13.3214, 0.4027,
0.2739

■ 13.3214, 0.4027,
0.2739

■ 11.2904, 0.4293,
0.2665

■ 15.9169, 0.3793,
0.2833

■ 9.7788, 0.4584,
0.2623

■ 19.1134, 0.3594,
0.2937

■ 8.7378, 0.4886,
0.2625

■ 22.9467, 0.3426,
0.3044

■ 8.1076, 0.5180,
0.2676

■ 27.4493, 0.3286,
0.3148

■ 7.8472, 0.5342,
0.2717

■ 32.6513, 0.3171,
0.3248

■ 38.5811, 0.3076,
0.3342

■ 45.2653, 0.2998,
0.3429

■ 52.7295, 0.2933,
0.3508

■ 60.9978, 0.2880,
0.3581

Harmonies

Analogous

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



13.3214, 0.3156, 0.2301



13.3214, 0.4027, 0.2739



13.3214, 0.4660, 0.3300

Triad

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



13.3214, 0.4027, 0.2739



13.3214, 0.3720, 0.4847



13.3214, 0.1696, 0.2350

Complementary

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



13.3214, 0.4027, 0.2739



28.0362, 0.2684, 0.3956

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.



13.3214, 0.1796, 0.2981



13.3214, 0.4027, 0.2739



13.3214, 0.2919, 0.4665

Square

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



13.3214, 0.4027, 0.2739



13.3214, 0.4408, 0.4489



13.3214, 0.2218, 0.3888



13.3214, 0.1895, 0.2061

Rectangle

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



13.3214, 0.4027, 0.2739



13.3214, 0.4803, 0.3705



13.3214, 0.2218, 0.3888



13.3214, 0.1695, 0.2521

Sweetspot

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



13.3221, 0.4027, 0.2739



48.1599, 0.3311, 0.3128



11.5706, 0.2692, 0.1832



10.2083, 0.3337, 0.3108



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



13.3221, 0.4027, 0.2739



19.9145, 0.4346, 0.2654



13.7292, 0.4613, 0.3408



6.6882, 0.3224, 0.3200



6.1218, 0.5319, 0.2704



0.1176, 0.4361, 0.2176

Inverse Universe

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



13.3221, 0.4027, 0.2739



19.9145, 0.4346, 0.2654



26.6532, 0.2422, 0.3157



6.6882, 0.3224, 0.3200



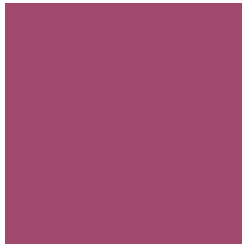
6.1218, 0.5319, 0.2704



0.1176, 0.4361, 0.2176

Previews

White Background



This preview shows how the Yxy color 13.3214, 0.4027, 0.2739 looks on a white background.

Color Contrast Check

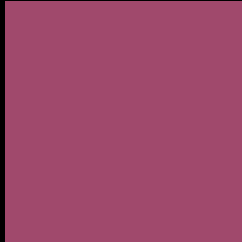
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3214, 0.4027, 0.2739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

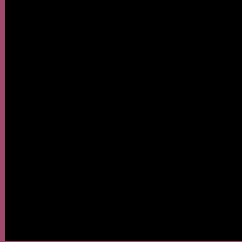
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3214, 0.4027, 0.2739

Background



This preview shows how black text looks on a background with the Yxy color 13.3214, 0.4027, 0.2739.



This preview shows how white text looks on a background with the Yxy color 13.3214, 0.4027, 0.2739.

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

13.3214, 0.4027, 0.2739

Protanopia

13.5505, 0.2764, 0.2786

Deuteranopia

13.5586, 0.3249, 0.3206



Tritanopia

13.3424, 0.4428, 0.3214

Trichromacy



Original Color

13.3214, 0.4027, 0.2739

Protanomaly

12.8072, 0.3168, 0.2738

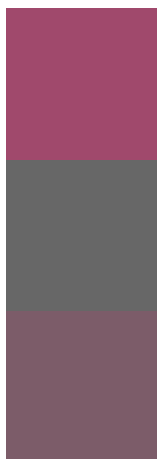
Deuteranomaly

12.9994, 0.3522, 0.3000

Tritanomaly

13.3125, 0.4293, 0.3037

Monochromacy



Original Color

13.3214, 0.4027, 0.2739

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

12.9593, 0.3437, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3214, 0.4027, 0.2739 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(160, 73, 108)` looks like.

```
.text, #text, p{  
    color:rgb(160, 73, 108)  
}
```

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(160, 73, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 73, 108) }
```

Border

The CSS property to change the border of an element to Yxy 13.3214, 0.4027, 0.2739 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(160, 73, 108) }
```

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

```
.border{ border-color:rgb(160, 73, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 73, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 73, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 73, 108); box-shadow:4px 4px 4px 4px rgb(160, 73, 108) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3214, 0.4027, 0.2739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 73, 108) }
```

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

```
.background{ background-color: rgb(160, 73,  
108) }
```

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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