

Converting Colors

$Y_{xy}(10.4040, 0.3172, 0.2352)$

Have a look what the booklet for
Yxy(10.4040, 0.3172, 0.2352)
contains.

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Color

Yxy(10.3078, 0.3171, 0.2348)

Conversions

Conversions Part 1

Format	Color
Hex	7A497A
RGB	122, 73, 122
RGB Percent	48%, 29%, 48%
CMY	0.5216, 0.7137, 0.5215
CMYK	0.00, 0.40, 0.00, 0.52
HSL	300°, 25%, 38%
HSV	300°, 40%, 48%
XYZ	13.9208, 10.3078, 19.6717
YIQ	93.2370, 13.4750, 25.6270

Conversions

Conversions Part 2

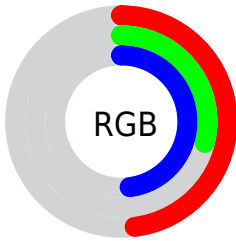
Format	Color
R_{YB}	122, 73, 122
Decimal	8014202
CIE _{Lab}	38.39, 29.12, -19.29
CIE _{LCh}	38, 34.932, 326.482
Yxy	10.3078, 0.3171, 0.2348
Android (android.graphics.Color)	4286204282 (0xFF7A497A)
YUV	93.2370, 14.1802, 25.2252
Hunter-Lab	32.1058, 21.2111, -13.8539

Details

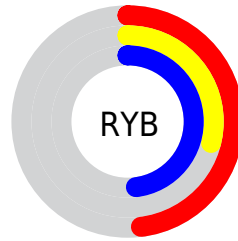
The Yxy color **10.3078, 0.3171, 0.2348** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **15.8205, 0.3073, 0.4454**, and the grayscale version is **10.9688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3750, 0.3161, 0.2565**, and **2.5975, 0.3162, 0.1935** is the 20% darker color. If you saturate the color by 10%, you get **8.8587, 0.3181, 0.2135**, and if you desaturate by 10%, it is **12.0725, 0.3160, 0.2577**.

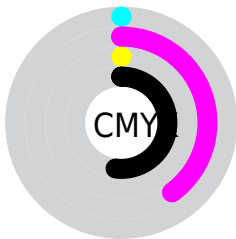
Distribution



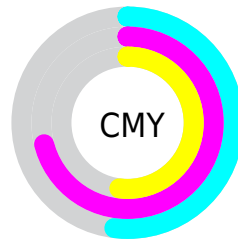
- Red (48%)
- Green (29%)
- Blue (48%)



- Red (48%)
- Yellow (29%)
- Blue (48%)



- Cyan (0%)
- Magenta (40%)
- Yellow (0%)
- Black (52%)




- Cyan (52%)
- Magenta (71%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3078, 0.3171, 0.2348 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 10.3078, 0.3171, 0.2348 by changing the saturation by 10% instead.


 10.3078, 0.3171,
0.2348

 10.3078, 0.3171,
0.2348


192.8550, 0.3158,
0.2897


 5.6035, 0.3167,
0.2178


 26.3729, 0.3170,
0.2570


 2.6055, 0.3153,
0.1937

 38.5024, 0.3169,
0.2646


 0.9294, 0.3113,
0.1573

 53.8758, 0.3167,
0.2708

 0.0000, 0.3169,
0.0000

 72.8775, 0.3165,
0.2759

 0.0000, 0.0000,
0.0000

 95.8919, 0.3163,
0.2801

123.3034, 0.3161,

0.2838

155.4963, 0.3160,
0.2869

■ 10.3078, 0.3171,
0.2348

■ 10.3078, 0.3171,
0.2348

■ 8.8587, 0.3181,
0.2135

■ 12.0725, 0.3160,
0.2577

■ 7.7052, 0.3190,
0.1948

■ 14.1682, 0.3149,
0.2815

■ 6.8274, 0.3197,
0.1792

■ 16.6114, 0.3138,
0.3053

■ 6.2023, 0.3202,
0.1674

■ 19.4166, 0.3127,
0.3286

■ 5.8033, 0.3206,
0.1595

■ 22.5979, 0.3117,
0.3510

■ 5.5399, 0.3208,
0.1541

■ 26.1683, 0.3107,
0.3720

■ 30.1405, 0.3098,
0.3916

■ 34.5263, 0.3089,
0.4097

■ 39.3373, 0.3082,
0.4262

Harmonies

Analogous

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



10.3078, 0.2435, 0.2112



10.3078, 0.3171, 0.2348



10.3078, 0.3995, 0.2773

Triad

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



10.3078, 0.3171, 0.2348



10.3078, 0.4348, 0.4451



10.3078, 0.1849, 0.2989

Complementary

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



10.3078, 0.3171, 0.2348



15.8205, 0.3073, 0.4454

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.



10.3078, 0.2253, 0.3843



10.3078, 0.3171, 0.2348



10.3078, 0.3690, 0.4771

Square

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



10.3078, 0.3171, 0.2348



10.3078, 0.4704, 0.3904



10.3078, 0.2923, 0.4579



10.3078, 0.1755, 0.2389

Rectangle

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



10.3078, 0.3171, 0.2348



10.3078, 0.4437, 0.3127



10.3078, 0.2923, 0.4579



10.3078, 0.1949, 0.3257

Sweetspot

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



10.3083, 0.3171, 0.2348



28.2528, 0.3141, 0.3003



7.6962, 0.2427, 0.2148



6.3616, 0.3142, 0.2980



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



10.3083, 0.3171, 0.2348



15.8146, 0.3180, 0.2156



9.7924, 0.3580, 0.2775



4.0774, 0.3137, 0.3079



5.8315, 0.3208, 0.1541



27.8157, 0.3208, 0.1541

Inverse Universe

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



9.3858, 0.4074, 0.3292



13.9588, 0.4409, 0.3293



16.1959, 0.2837, 0.3876



4.0151, 0.3277, 0.3290



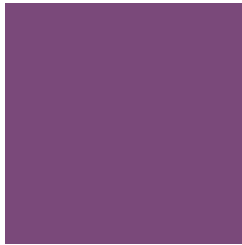
4.3563, 0.6400, 0.3299



20.7798, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 10.3078, 0.3171, 0.2348 looks on a white background.

Color Contrast Check

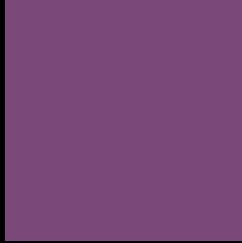
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.3078, 0.3171, 0.2348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

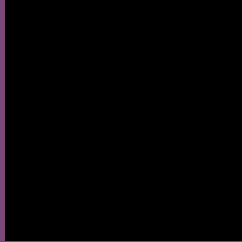
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3078, 0.3171, 0.2348

Background



This preview shows how black text looks on a background with the Yxy color 10.3078, 0.3171, 0.2348.



This preview shows how white text looks on a background with the Yxy color 10.3078, 0.3171, 0.2348.

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

10.3078, 0.3171, 0.2348

Protanopia

10.3899, 0.2379, 0.2279

Deuteranopia

10.3615, 0.2652, 0.2602



Tritanopia

10.3549, 0.3665, 0.3163

Trichromacy



Original Color

10.3078, 0.3171, 0.2348

Protanomaly

10.0735, 0.2618, 0.2286

Deuteranomaly

10.1392, 0.2825, 0.2486

Tritanomaly

10.2908, 0.3480, 0.2835

Monochromacy



Original Color

10.3078, 0.3171, 0.2348

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.5981, 0.3146, 0.2890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3078, 0.3171, 0.2348 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(122, 73, 122)` looks like.

```
.text, #text, p{  
    color:rgb(122, 73, 122)  
}
```

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(122, 73, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 73, 122) }
```

Border

The CSS property to change the border of an element to Yxy 10.3078, 0.3171, 0.2348 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(122, 73, 122) }
```

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

```
.border{ border-color:rgb(122, 73, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 73, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 73, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 73, 122);  
box-shadow:4px 4px 4px 4px rgb(122, 73,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3078, 0.3171, 0.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 73, 122) }
```

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

```
.background{ background-color: rgb(122, 73,  
122) }
```

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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