

Converting Colors

$Y_{xy}(10.1994, 0.3317, 0.2506)$

Have a look what the booklet for
Yxy(10.1994, 0.3317, 0.2506)
contains.

Yxy(10.2274, 0.3317, 0.2521)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.2274, 0.3317, 0.2521)

Conversions

Conversions Part 1

Format	Color
Hex	7A4A71
RGB	122, 74, 113
RGB Percent	48%, 29%, 44%
CMY	0.5215, 0.7098, 0.5569
CMYK	0.00, 0.39, 0.07, 0.52
HSL	311°, 24%, 38%
HSV	311°, 39%, 48%
XYZ	13.4567, 10.2274, 16.8847
YIQ	92.7980, 16.0890, 22.3050

Conversions

Conversions Part 2

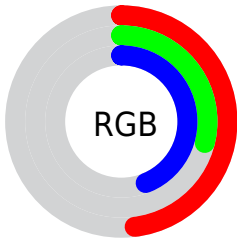
Format	Color
R_{YB}	122, 74, 113
Decimal	8014449
CIE _{Lab}	38.25, 26.77, -13.92
CIE _{LCh}	38, 30.175, 332.527
Yxy	10.2274, 0.3317, 0.2521
Android (android.graphics.Color)	4286204529 (0xFF7A4A71)
YUV	92.7980, 9.9596, 25.6102
Hunter-Lab	31.9803, 19.1437, -8.9173

Details

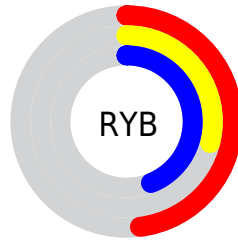
The Yxy color **10.2274, 0.3317, 0.2521** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **16.0037, 0.2984, 0.4208**, and the grayscale version is **10.8706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2459, 0.3269, 0.2708**, and **2.5899, 0.3391, 0.2173** is the 20% darker color. If you saturate the color by 10%, you get **8.7028, 0.3379, 0.2335**, and if you desaturate by 10%, it is **12.0703, 0.3260, 0.2717**.

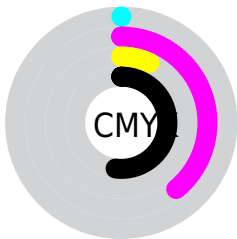
Distribution



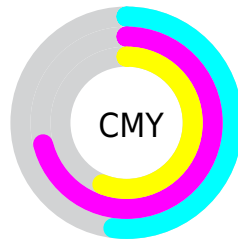
- Red (48%)
- Green (29%)
- Blue (44%)



- Red (48%)
- Yellow (29%)
- Blue (44%)



- Cyan (0%)
- Magenta (39%)
- Yellow (7%)
- Black (52%)





- Cyan (52%)
- Magenta (71%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2274, 0.3317, 0.2521 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 10.2274, 0.3317, 0.2521 by changing the saturation by 10% instead.


 10.2274, 0.3317,
0.2521


 10.2274, 0.3317,
0.2521


192.2874, 0.3209,
0.2976


 5.5500, 0.3348,
0.2375


 26.2223, 0.3275,
0.2707


 2.5734, 0.3391,
0.2164

 38.3087, 0.3260,
0.2771


 0.9133, 0.3449,
0.1831

 53.6334, 0.3248,
0.2821

 0.0000, 0.3811,
0.0000

 72.5810, 0.3237,
0.2863

 0.0000, 0.0000,
0.0000

 95.5358, 0.3229,
0.2898

122.8822, 0.3221,

0.2928

155.0046, 0.3215,
0.2953

■ 10.2274, 0.3317,
0.2521

■ 10.2274, 0.3317,
0.2521

■ 8.7028, 0.3379,
0.2335

■ 12.0703, 0.3260,
0.2717

■ 7.4766, 0.3446,
0.2169

■ 14.2471, 0.3209,
0.2916

■ 6.5293, 0.3516,
0.2030

■ 16.7737, 0.3164,
0.3112

■ 5.8379, 0.3586,
0.1926

■ 19.6650, 0.3125,
0.3302

■ 5.3762, 0.3656,
0.1863

■ 22.9348, 0.3091,
0.3482

■ 5.0611, 0.3724,
0.1830

■ 26.5962, 0.3062,
0.3650

■ 5.0412, 0.3729,
0.1828

■ 30.6616, 0.3037,
0.3807

■ 35.1432, 0.3017,
0.3952

■ 40.0522, 0.2999,
0.4084

Harmonies

Analogous

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



10.2274, 0.2640, 0.2271



10.2274, 0.3317, 0.2521



10.2274, 0.4010, 0.2932

Triad

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



10.2274, 0.3317, 0.2521



10.2274, 0.4110, 0.4399



10.2274, 0.1960, 0.2914

Complementary

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



10.2274, 0.3317, 0.2521



16.0037, 0.2984, 0.4208

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.



10.2274, 0.2273, 0.3618



10.2274, 0.3317, 0.2521



10.2274, 0.3504, 0.4574

Square

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



10.2274, 0.3317, 0.2521



10.2274, 0.4475, 0.3958



10.2274, 0.2831, 0.4289



10.2274, 0.1925, 0.2435

Rectangle

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



10.2274, 0.3317, 0.2521



10.2274, 0.4347, 0.3262



10.2274, 0.2831, 0.4289



10.2274, 0.2033, 0.3131

Sweetspot

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



10.2279, 0.3317, 0.2521



28.1325, 0.3177, 0.3055



8.1325, 0.2562, 0.2190



6.3320, 0.3181, 0.3036



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.



10.2279, 0.3317, 0.2521



15.6055, 0.3371, 0.2357



9.7605, 0.3749, 0.2977



4.0652, 0.3163, 0.3118



5.3049, 0.3730, 0.1829



25.1874, 0.3762, 0.1846

Inverse Universe

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



10.2279, 0.3317, 0.2521



15.6055, 0.3371, 0.2357



16.4363, 0.2747, 0.3633



4.0652, 0.3163, 0.3118



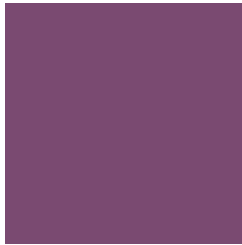
5.3049, 0.3730, 0.1829



25.1874, 0.3762, 0.1846

Previews

White Background



This preview shows how the Yxy color 10.2274, 0.3317, 0.2521 looks on a white background.

Color Contrast Check

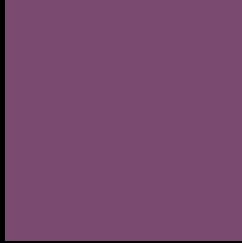
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2274, 0.3317, 0.2521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

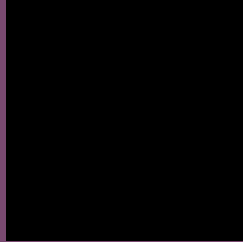
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2274, 0.3317, 0.2521

Background



This preview shows how black text looks on a background with the Yxy color 10.2274, 0.3317, 0.2521.



This preview shows how white text looks on a background with the Yxy color 10.2274, 0.3317, 0.2521.

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

10.2274, 0.3317, 0.2521

Protanopia

10.3055, 0.2545, 0.2494

Deuteranopia

10.3944, 0.2832, 0.2801



Tritanopia

10.3311, 0.3724, 0.3165

Trichromacy



Original Color

10.2274, 0.3317, 0.2521

Protanomaly

10.1296, 0.2782, 0.2499

Deuteranomaly

10.2550, 0.2995, 0.2693

Tritanomaly

10.2864, 0.3569, 0.2918

Monochromacy



Original Color

10.2274, 0.3317, 0.2521

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.5187, 0.3208, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2274, 0.3317, 0.2521 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, 74, 113)` looks like.

```
.text, #text, p{  
    color:rgb(122, 74, 113)  
}
```

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, 74, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 74, 113) }
```

Border

The CSS property to change the border of an element to Yxy 10.2274, 0.3317, 0.2521 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, 74, 113) }
```

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

```
.border{ border-color:rgb(122, 74, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 74, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 74, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 74, 113); box-shadow:4px 4px 4px 4px rgb(122, 74, 113) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2274, 0.3317, 0.2521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 74, 113) }
```

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

```
.background{ background-color: rgb(122, 74,  
113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor