

Converting Colors

$Y_{xy}(20.0741, 0.2945, 0.2490)$

Have a look what the booklet for
Yxy(20.0741, 0.2945, 0.2490)
contains.

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Color

Yxy(20.1263, 0.2949, 0.2492)

Conversions

Conversions Part 1

Format	Color
Hex	9070A2
RGB	144, 112, 162
RGB Percent	56%, 44%, 64%
CMY	0.4353, 0.5608, 0.3646
CMYK	0.11, 0.31, 0.00, 0.36
HSL	278°, 21%, 54%
HSV	278°, 31%, 64%
XYZ	23.8172, 20.1263, 36.8201
YIQ	127.2680, 3.0220, 22.3340

Conversions

Conversions Part 2

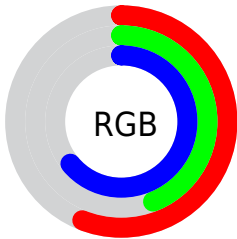
Format	Color
RYB	144, 112, 162
Decimal	9466018
CIELab	51.98, 22.21, -22.13
CIElCh	52, 31.354, 315.099
Yxy	20.1263, 0.2949, 0.2492
Android (android.graphics.Color)	4287656098 (0xFF9070A2)
YUV	127.2680, 17.1229, 14.6740
Hunter-Lab	44.8623, 16.2557, -17.2578

Details

The Yxy color **20.1263, 0.2949, 0.2492** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **31.7655, 0.3256, 0.4127**, and the grayscale version is **21.2600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5664, 0.2991, 0.2655**, and **7.1197, 0.2870, 0.2230** is the 20% darker color. If you saturate the color by 10%, you get **16.3552, 0.2873, 0.2217**, and if you desaturate by 10%, it is **24.5696, 0.3016, 0.2764**.

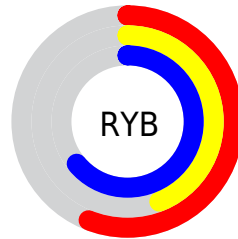
Distribution



Red (56%)

Green (44%)

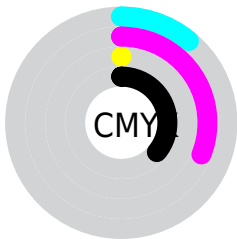
Blue (64%)



Red (56%)

Yellow (44%)

Blue (64%)

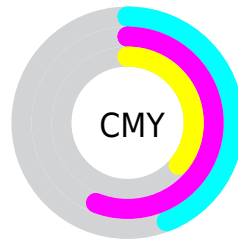


Cyan (11%)

Magenta (31%)

Yellow (0%)

Black (36%)



Cyan (44%)


Magenta (56%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1263, 0.2949, 0.2492 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 20.1263, 0.2949, 0.2492 by changing the saturation by 10% instead.


 20.1263, 0.2949,
0.2492


 20.1263, 0.2949,
0.2492

252.5980, 0.3057,
0.2921


 12.4869, 0.2914,
0.2375


 43.6288, 0.2994,
0.2655


 7.0762, 0.2863,
0.2218


 60.2607, 0.3009,
0.2715

 3.5098, 0.2784,
0.2000

 80.6589, 0.3021,
0.2764

 1.4033, 0.2649,
0.1678

 105.2078, 0.3031,
0.2805

 0.2192, 0.2492,
0.0728

134.2918, 0.3039,
0.2841

 0.0000, 0.0000,
0.0000

168.2952, 0.3046,

0.2871

207.6025, 0.3052,
0.2898

■ 20.1263, 0.2949,
0.2492

■ 20.1263, 0.2949,
0.2492

■ 16.3552, 0.2873,
0.2217

■ 24.5696, 0.3016,
0.2764

■ 13.2190, 0.2788,
0.1947

■ 29.7149, 0.3074,
0.3024

■ 10.6801, 0.2696,
0.1694


■ 35.5933, 0.3123,
0.3270


■ 8.6964, 0.2601,
0.1471


■ 42.2333, 0.3164,
0.3497

■ 7.2196, 0.2505,
0.1286

■ 49.6615, 0.3198,
0.3705

 6.1931, 0.2411,
0.1149

 57.9037, 0.3226,
0.3894

 5.5295, 0.2329,
0.1057

 66.9842, 0.3248,
0.4064

 76.9264, 0.3266,
0.4217

 85.9392, 0.3285,
0.4330

Harmonies

Analogous

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



20.1263, 0.2457, 0.2380



20.1263, 0.2949, 0.2492



20.1263, 0.3541, 0.2773

Triad

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



20.1263, 0.2949, 0.2492



20.1263, 0.4166, 0.4040



20.1263, 0.2271, 0.3313

Complementary

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



20.1263, 0.2949, 0.2492



31.7655, 0.3256, 0.4127

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.



20.1263, 0.2672, 0.3900



20.1263, 0.2949, 0.2492



20.1263, 0.3768, 0.4315

Square

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



20.1263, 0.2949, 0.2492



20.1263, 0.4281, 0.3620



20.1263, 0.3218, 0.4289



20.1263, 0.2096, 0.2791

Rectangle

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



20.1263, 0.2949, 0.2492



20.1263, 0.3902, 0.3029



20.1263, 0.3218, 0.4289



20.1263, 0.2381, 0.3514

Sweetspot

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



20.1271, 0.2949, 0.2492



55.6482, 0.3083, 0.3067



22.1111, 0.2632, 0.2740



12.1806, 0.3076, 0.3032



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



20.1271, 0.2949, 0.2492



31.7231, 0.2898, 0.2304



21.6511, 0.3240, 0.2633



7.0739, 0.3083, 0.3065



4.3800, 0.2336, 0.1061



0.1172, 0.2665, 0.1242

Inverse Universe

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



20.8853, 0.3560, 0.3006



33.4065, 0.3695, 0.2941



30.6163, 0.3032, 0.4051



7.1262, 0.3231, 0.3209



6.3031, 0.5489, 0.2798



0.1413, 0.4544, 0.2277

Previews

White Background



This preview shows how the Yxy color 20.1263, 0.2949, 0.2492 looks on a white 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

Black Background



This preview shows how the Yxy color 20.1263, 0.2949, 0.2492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

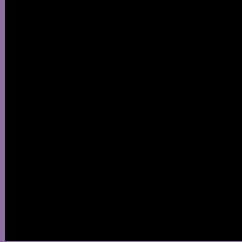
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1263, 0.2949, 0.2492

Background



This preview shows how black text looks on a background with the Yxy color 20.1263, 0.2949, 0.2492.



This preview shows how white text looks on a background with the Yxy color 20.1263, 0.2949, 0.2492.

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

20.1263, 0.2949, 0.2492

Protanopia

20.1363, 0.2530, 0.2467

Deuteranopia

20.2390, 0.2682, 0.2630



Tritanopia

20.2411, 0.3273, 0.3133

Trichromacy



Original Color

20.1263, 0.2949, 0.2492

Protanomaly

19.8845, 0.2664, 0.2466

Deuteranomaly

20.0421, 0.2772, 0.2565

Tritanomaly

20.0470, 0.3159, 0.2883

Monochromacy



Original Color

20.1263, 0.2949, 0.2492

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.7991, 0.3058, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1263, 0.2949, 0.2492 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(144, 112, 162)` looks like.

```
.text, #text, p{  
    color:rgb(144, 112, 162)  
}
```

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(144, 112, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 112, 162) }
```

Border

The CSS property to change the border of an element to Yxy 20.1263, 0.2949, 0.2492 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(144, 112, 162) }
```

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

```
.border{ border-color:rgb(144, 112, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 112, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 112, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 112, 162);  
box-shadow:4px 4px 4px 4px rgb(144, 112,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1263, 0.2949, 0.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 112, 162) }
```

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

```
.background{ background-color: rgb(144,  
112, 162) }
```

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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