

Converting Colors

$Y_{xy}(11.8885, 0.3236, 0.2500)$

Have a look what the booklet for
Yxy(11.8885, 0.3236, 0.2500)
contains.

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Color

Yxy(11.9041, 0.3243, 0.2504)

Conversions

Conversions Part 1

Format	Color
Hex	80517B
RGB	128, 81, 123
RGB Percent	50%, 32%, 48%
CMY	0.4981, 0.6823, 0.5177
CMYK	0.00, 0.37, 0.04, 0.50
HSL	306°, 22%, 41%
HSV	306°, 37%, 50%
XYZ	15.4173, 11.9041, 20.2189
YIQ	99.8410, 14.5300, 23.0260

Conversions

Conversions Part 2

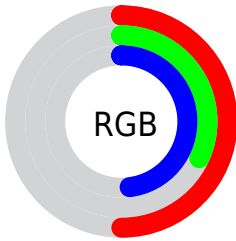
Format	Color
R_{YB}	128, 81, 123
Decimal	8409467
CIE _{Lab}	41.06, 26.72, -15.72
CIE _{LCh}	41, 31.002, 329.536
Yxy	11.9041, 0.3243, 0.2504
Android (android.graphics.Color)	4286599547 (0xFF80517B)
YUV	99.8410, 11.4174, 24.6954
Hunter-Lab	34.5023, 19.3835, -10.5933

Details

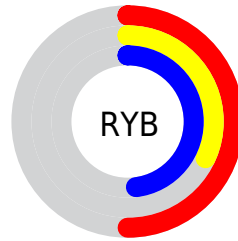
The Yxy color **11.9041, 0.3243, 0.2504** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.8570, 0.3029, 0.4229**, and the grayscale version is **12.6693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3123, 0.3221, 0.2679**, and **3.2582, 0.3288, 0.2164** is the 20% darker color. If you saturate the color by 10%, you get **10.1442, 0.3281, 0.2300**, and if you desaturate by 10%, it is **14.0242, 0.3207, 0.2718**.

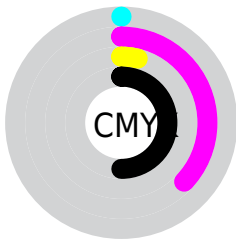
Distribution



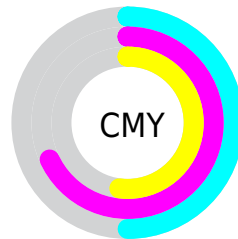
- Red (50%)
- Green (32%)
- Blue (48%)



- Red (50%)
- Yellow (32%)
- Blue (48%)



- Cyan (0%)
- Magenta (37%)
- Yellow (4%)
- Black (50%)





- Cyan (50%)
- Magenta (68%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9041, 0.3243, 0.2504 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 11.9041, 0.3243, 0.2504 by changing the saturation by 10% instead.


 11.9041, 0.3243,
0.2504


 11.9041, 0.3243,
0.2504


203.7694, 0.3183,
0.2959

 6.6784, 0.3257,
0.2364


 29.3203, 0.3221,
0.2687


 3.2618, 0.3274,
0.2166

 42.2796, 0.3213,
0.2750

 1.2699, 0.3289,
0.1864

 58.5856, 0.3206,
0.2801

 0.1177, 0.3582,
0.0552

 78.6227, 0.3200,
0.2844

 0.0000, 0.0000,
0.0000

 102.7752, 0.3195,
0.2879

131.4275, 0.3190,

0.2910

164.9641, 0.3186,
0.2936

■ 11.9041, 0.3243,
0.2504

■ 11.9041, 0.3243,
0.2504

■ 10.1442, 0.3281,
0.2300

■ 14.0242, 0.3207,
0.2718

■ 8.7226, 0.3321,
0.2116

■ 16.5214, 0.3175,
0.2936

■ 7.6176, 0.3361,
0.1959


■ 19.4136, 0.3145,
0.3150


■ 6.8045, 0.3401,
0.1837


■ 22.7171, 0.3119,
0.3357


■ 6.2546, 0.3440,
0.1754


■ 26.4472, 0.3096,
0.3553


 5.9132, 0.3476,
0.1708

 30.6185, 0.3076,
0.3737

 5.8113, 0.3488,
0.1695

 35.2449, 0.3059,
0.3907

 40.3395, 0.3044,
0.4064

 45.9151, 0.3031,
0.4208

Harmonies

Analogous

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



11.9041, 0.2594, 0.2277



11.9041, 0.3243, 0.2504



11.9041, 0.3929, 0.2895

Triad

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



11.9041, 0.3243, 0.2504



11.9041, 0.4139, 0.4342



11.9041, 0.2002, 0.2985

Complementary

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



11.9041, 0.3243, 0.2504



17.8570, 0.3029, 0.4229

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.



11.9041, 0.2337, 0.3683



11.9041, 0.3243, 0.2504



11.9041, 0.3563, 0.4545

Square

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



11.9041, 0.3243, 0.2504



11.9041, 0.4462, 0.3898



11.9041, 0.2903, 0.4312



11.9041, 0.1940, 0.2489

Rectangle

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



11.9041, 0.3243, 0.2504



11.9041, 0.4279, 0.3215



11.9041, 0.2903, 0.4312



11.9041, 0.2084, 0.3204

Sweetspot

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



11.9046, 0.3243, 0.2504



31.7822, 0.3158, 0.3053



9.4096, 0.2552, 0.2255



7.3088, 0.3161, 0.3030



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



11.9046, 0.3243, 0.2504



18.3452, 0.3275, 0.2334



11.3912, 0.3625, 0.2922



4.4048, 0.3152, 0.3100



5.7637, 0.3487, 0.1695



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.9046, 0.3243, 0.2504



18.3452, 0.3275, 0.2334



18.2932, 0.2805, 0.3696



4.4048, 0.3152, 0.3100



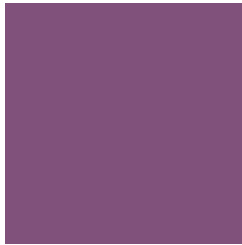
5.7637, 0.3487, 0.1695



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 11.9041, 0.3243, 0.2504 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 11.9041, 0.3243, 0.2504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

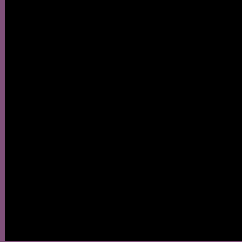
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9041, 0.3243, 0.2504

Background



This preview shows how black text looks on a background with the Yxy color 11.9041, 0.3243, 0.2504.



This preview shows how white text looks on a background with the Yxy color 11.9041, 0.3243, 0.2504.

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

11.9041, 0.3243, 0.2504

Protanopia

12.0654, 0.2535, 0.2481

Deuteranopia

11.9734, 0.2798, 0.2745



Tritanopia

11.9096, 0.3634, 0.3149

Trichromacy



Original Color

11.9041, 0.3243, 0.2504

Protanomaly

11.8606, 0.2753, 0.2486

Deuteranomaly

11.8186, 0.2949, 0.2646

Tritanomaly

11.8769, 0.3474, 0.2894

Monochromacy



Original Color

11.9041, 0.3243, 0.2504

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.2264, 0.3173, 0.2972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9041, 0.3243, 0.2504 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(128, 81, 123)` looks like.

```
.text, #text, p{  
    color:rgb(128, 81, 123)  
}
```

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(128, 81, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 81, 123) }
```

Border

The CSS property to change the border of an element to Yxy 11.9041, 0.3243, 0.2504 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(128, 81, 123) }
```

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

```
.border{ border-color:rgb(128, 81, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 81, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 81, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 81, 123);  
box-shadow:4px 4px 4px 4px rgb(128, 81,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9041, 0.3243, 0.2504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 81, 123) }
```

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

```
.background{ background-color: rgb(128, 81,  
123) }
```

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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