

Converting Colors

$Y_{xy}(12.6123, 0.3123, 0.3960)$

Have a look what the booklet for
Yxy(12.6123, 0.3123, 0.3960)
contains.

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Color

Yxy(12.6219, 0.3123, 0.3958)

Conversions

Conversions Part 1

Format	Color
Hex	516A4F
RGB	81, 106, 79
RGB Percent	32%, 42%, 31%
CMY	0.6823, 0.5843, 0.6902
CMYK	0.24, 0.00, 0.25, 0.58
HSL	116°, 15%, 36%
HSV	116°, 25%, 42%
XYZ	9.9591, 12.6219, 9.3086
YIQ	95.4470, -6.2330, -13.6970

Conversions

Conversions Part 2

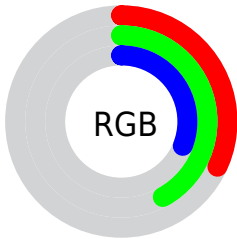
Format	Color
R_{YB}	79, 106, 104
Decimal	5335631
CIE Lab	42.19, -15.09, 12.22
CIE LCh	42, 19.416, 141.002
Yxy	12.6219, 0.3123, 0.3958
Android (android.graphics.Color)	4283525711 (0xFF516A4F)
YUV	95.4470, -8.1084, -12.6700
Hunter-Lab	35.5273, -12.1352, 9.3344

Details

The Yxy color **12.6219, 0.3123, 0.3958** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.5755, 0.3121, 0.2691**, and the grayscale version is **11.5783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4977, 0.3133, 0.3775**, and **3.6007, 0.3097, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **12.0775, 0.3118, 0.4268**, and if you desaturate by 10%, it is **13.2547, 0.3126, 0.3673**.

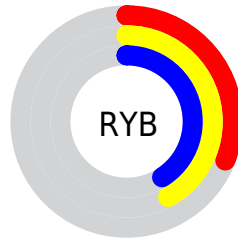
Distribution



Red (32%)

Green (42%)

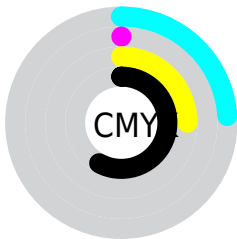
Blue (31%)



Red (31%)

Yellow (42%)

Blue (41%)

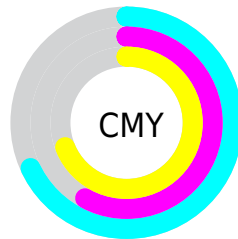


Cyan (24%)

Magenta (0%)

Yellow (25%)

Black (58%)



Cyan (68%)


Magenta (58%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6219, 0.3123, 0.3958 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 12.6219, 0.3123, 0.3958 by changing the saturation by 10% instead.


 12.6219, 0.3123,
0.3958


 12.6219, 0.3123,
0.3958


208.4801, 0.3132,
0.3540

 7.1687, 0.3115,
0.4109


 30.6228, 0.3129,
0.3778


 3.5678, 0.3096,
0.4347

 43.9393, 0.3131,
0.3719


 1.4349, 0.3089,
0.4838

 60.6457, 0.3131,
0.3674

 0.2422, 0.0000,
1.0000

 81.1264, 0.3132,
0.3637

 0.0000, 0.0000,
0.0000

 105.7658, 0.3132,
0.3606

134.9483, 0.3132,

0.3581

169.0582, 0.3132,
0.3559

■ 12.6219, 0.3123,
0.3958

■ 12.6219, 0.3123,
0.3958

■ 12.0775, 0.3118,
0.4268

■ 13.2547, 0.3126,
0.3673

■ 11.6160, 0.3109,
0.4595

■ 13.9778, 0.3127,
0.3418

■ 11.2338, 0.3098,
0.4926


■ 14.7952, 0.3127,
0.3191


■ 10.9265, 0.3084,
0.5243


■ 15.7101, 0.3126,
0.2992


■ 10.6890, 0.3067,
0.5524


■ 16.7256, 0.3123,
0.2818


 10.5160, 0.3048,
0.5748

 17.8445, 0.3121,
0.2668

 10.3993, 0.3032,
0.5909

 19.0699, 0.3118,
0.2537

 10.3591, 0.3030,
0.5976

 20.4042, 0.3115,
0.2423

 21.8503, 0.3112,
0.2324

Harmonies

Analogous

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



12.6219, 0.3533, 0.4045



12.6219, 0.3123, 0.3958



12.6219, 0.2731, 0.3647

Triad

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



12.6219, 0.3123, 0.3958



12.6219, 0.2439, 0.2662



12.6219, 0.3843, 0.3279

Complementary

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



12.6219, 0.3123, 0.3958



9.5755, 0.3121, 0.2691

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.



12.6219, 0.3511, 0.2962



12.6219, 0.3123, 0.3958



12.6219, 0.2698, 0.2615

Square

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



12.6219, 0.3123, 0.3958



12.6219, 0.2354, 0.2877



12.6219, 0.3086, 0.2725



12.6219, 0.3966, 0.3618

Rectangle

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



12.6219, 0.3123, 0.3958



12.6219, 0.2530, 0.3374



12.6219, 0.3086, 0.2725



12.6219, 0.3751, 0.3168

Sweetspot

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



12.6224, 0.3123, 0.3958



24.1658, 0.3127, 0.3485



13.4793, 0.3498, 0.3839



5.6248, 0.3127, 0.3515



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.6224, 0.3123, 0.3958



21.5244, 0.3120, 0.4153



12.7130, 0.2959, 0.3675



3.4545, 0.3127, 0.3504



12.8489, 0.3027, 0.5979



65.3143, 0.3012, 0.5990

Inverse Universe

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



9.5755, 0.3121, 0.2691



15.1249, 0.3118, 0.2539



9.4781, 0.3342, 0.2934



3.1530, 0.3126, 0.3084



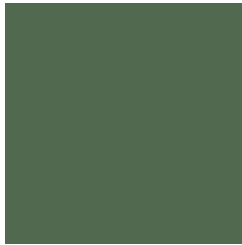
4.5163, 0.3031, 0.1443



22.8476, 0.3020, 0.1437

Previews

White Background



This preview shows how the Yxy color 12.6219, 0.3123, 0.3958 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 12.6219, 0.3123, 0.3958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

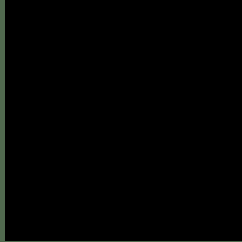
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6219, 0.3123, 0.3958

Background



This preview shows how black text looks on a background with the Yxy color 12.6219, 0.3123, 0.3958.



This preview shows how white text looks on a background with the Yxy color 12.6219, 0.3123, 0.3958.

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

12.6219, 0.3123, 0.3958

Protanopia

12.5097, 0.3564, 0.3808

Deuteranopia

12.4233, 0.3657, 0.3592



Tritanopia

12.6070, 0.2809, 0.3106

Trichromacy



Original Color

12.6219, 0.3123, 0.3958

Protanomaly

12.5800, 0.3394, 0.3874

Deuteranomaly

12.3864, 0.3458, 0.3724

Tritanomaly

12.4862, 0.2916, 0.3385

Monochromacy



Original Color

12.6219, 0.3123, 0.3958

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.8186, 0.3131, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6219, 0.3123, 0.3958 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(81, 106, 79)` looks like.

```
.text, #text, p{  
    color:rgb(81, 106, 79)  
}
```

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(81, 106, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 106, 79) }
```

Border

The CSS property to change the border of an element to Yxy 12.6219, 0.3123, 0.3958 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(81, 106, 79) }
```

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

```
.border{ border-color:rgb(81, 106, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 106, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 106, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 106, 79);  
box-shadow:4px 4px 4px 4px rgb(81, 106,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6219, 0.3123, 0.3958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 106, 79) }
```

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

```
.background{ background-color: rgb(81, 106,  
79) }
```

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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