

Converting Colors

$Y_{xy}(12.0442, 0.3613, 0.2758)$

Have a look what the booklet for
Yxy(12.0442, 0.3613, 0.2758)
contains.

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Color

Yxy(12.0757, 0.3601, 0.2755)

Conversions

Conversions Part 1

Format	Color
Hex	88506D
RGB	136, 80, 109
RGB Percent	53%, 31%, 43%
CMY	0.4666, 0.6863, 0.5725
CMYK	0.00, 0.41, 0.20, 0.47
HSL	329°, 26%, 42%
HSV	329°, 41%, 53%
XYZ	15.7839, 12.0757, 15.9724
YIQ	100.0500, 24.0670, 20.8910

Conversions

Conversions Part 2

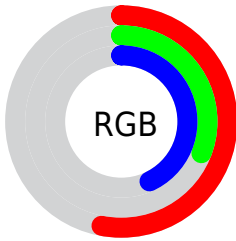
Format	Color
R_{YB}	136, 80, 109
Decimal	8933485
CIE Lab	41.34, 27.69, -6.62
CIE LCh	41, 28.471, 346.547
Yxy	12.0757, 0.3601, 0.2755
Android (android.graphics.Color)	4287123565 (0xFF88506D)
YUV	100.0500, 4.4124, 31.5282
Hunter-Lab	34.7501, 20.2640, -2.9267

Details

The Yxy color **12.0757, 0.3601, 0.2755** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.3767, 0.2829, 0.3903**, and the grayscale version is **12.7418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5797, 0.3495, 0.2887**, and **3.3668, 0.3833, 0.2501** is the 20% darker color. If you saturate the color by 10%, you get **10.1463, 0.3771, 0.2630**, and if you desaturate by 10%, it is **14.4199, 0.3454, 0.2888**.

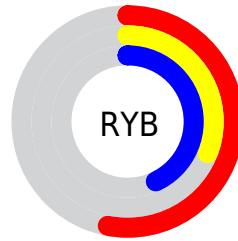
Distribution



Red (53%)

Green (31%)

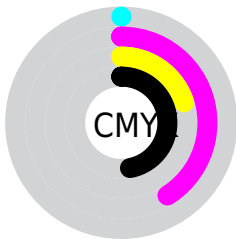
Blue (43%)



Red (53%)

Yellow (31%)

Blue (43%)

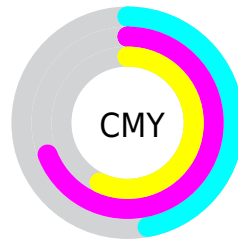


Cyan (0%)

Magenta (41%)

Yellow (20%)

Black (47%)



Cyan (47%)


Magenta (69%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0757, 0.3601, 0.2755 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 12.0757, 0.3601, 0.2755 by changing the saturation by 10% instead.


 12.0757, 0.3601,
0.2755


 12.0757, 0.3601,
0.2755


204.9058, 0.3317,
0.3071


 6.7953, 0.3695,
0.2654


 29.6329, 0.3483,
0.2884


 3.3344, 0.3834,
0.2506

 42.6784, 0.3444,
0.2928


 1.3087, 0.4064,
0.2270

 59.0811, 0.3412,
0.2964

 0.1479, 0.5140,
0.0931

 79.2254, 0.3386,
0.2993

 0.0000, 0.0000,
0.0000

 103.4956, 0.3365,
0.3017

132.2761, 0.3347,

0.3038

165.9514, 0.3331,
0.3055

■ 12.0757, 0.3601,
0.2755

■ 12.0757, 0.3601,
0.2755

■ 10.1463, 0.3771,
0.2630

■ 14.4199, 0.3454,
0.2888

■ 8.6054, 0.3964,
0.2522

■ 17.1999, 0.3329,
0.3021

■ 7.4260, 0.4176,
0.2441


■ 20.4373, 0.3224,
0.3152


■ 6.5773, 0.4401,
0.2398

■ 24.1516, 0.3137,
0.3276


■ 6.0229, 0.4629,
0.2404

■ 28.3613, 0.3063,
0.3392

 5.6830, 0.4832,
0.2436

 33.0840, 0.3003,
0.3501

 38.3363, 0.2952,
0.3601

 44.1340, 0.2910,
0.3692

 50.4924, 0.2875,
0.3777

Harmonies

Analogous

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



12.0757, 0.2963, 0.2450



12.0757, 0.3601, 0.2755



12.0757, 0.4140, 0.3181

Triad

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



12.0757, 0.3601, 0.2755



12.0757, 0.3783, 0.4399



12.0757, 0.2024, 0.2727

Complementary

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



12.0757, 0.3601, 0.2755



20.3767, 0.2829, 0.3903

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.



12.0757, 0.2195, 0.3280



12.0757, 0.3601, 0.2755



12.0757, 0.3190, 0.4361

Square

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



12.0757, 0.3601, 0.2755



12.0757, 0.4225, 0.4106



12.0757, 0.2610, 0.3922



12.0757, 0.2106, 0.2404

Rectangle

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



12.0757, 0.3601, 0.2755



12.0757, 0.4336, 0.3498



12.0757, 0.2610, 0.3922



12.0757, 0.2052, 0.2889

Sweetspot

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



12.0763, 0.3601, 0.2755



35.3574, 0.3235, 0.3138



10.5871, 0.2737, 0.2183



8.0379, 0.3246, 0.3124



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



12.0763, 0.3601, 0.2755



18.2246, 0.3751, 0.2643



11.5789, 0.4091, 0.3258



5.0890, 0.3205, 0.3177



5.3801, 0.4827, 0.2433



0.0387, 0.3991, 0.1972

Inverse Universe

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



12.0763, 0.3601, 0.2755



18.2246, 0.3751, 0.2643



21.0406, 0.2596, 0.3326



5.0890, 0.3205, 0.3177



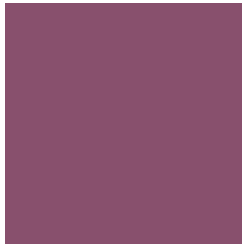
5.3801, 0.4827, 0.2433



0.0387, 0.3991, 0.1972

Previews

White Background



This preview shows how the Yxy color 12.0757, 0.3601, 0.2755 looks on a white background.

Color Contrast Check

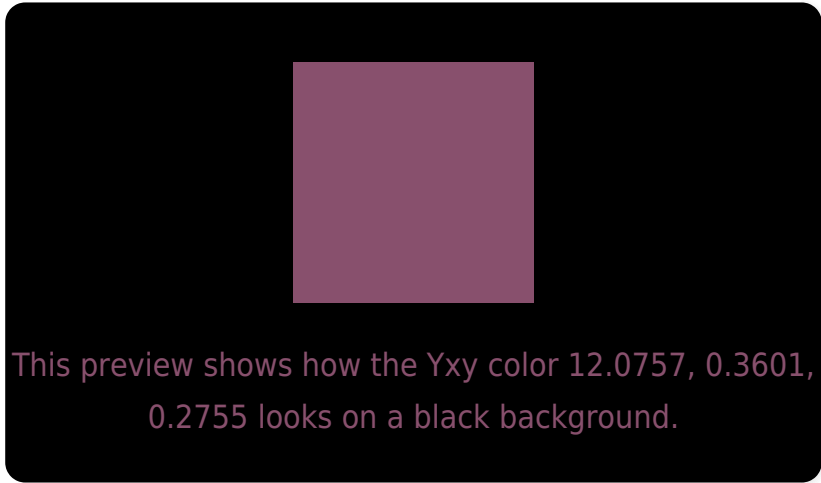
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

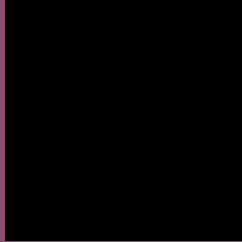
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0757, 0.3601, 0.2755

Background



This preview shows how black text looks on a background with the Yxy color 12.0757, 0.3601, 0.2755.



This preview shows how white text looks on a background with the Yxy color 12.0757, 0.3601, 0.2755.

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

12.0757, 0.3601, 0.2755

Protanopia

12.2326, 0.2774, 0.2786

Deuteranopia

12.1681, 0.3108, 0.3050



Tritanopia

12.1472, 0.3884, 0.3177

Trichromacy



Original Color

12.0757, 0.3601, 0.2755

Protanomaly

11.9943, 0.3046, 0.2768

Deuteranomaly

12.0869, 0.3285, 0.2939

Tritanomaly

12.2005, 0.3782, 0.3027

Monochromacy



Original Color

12.0757, 0.3601, 0.2755

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.3187, 0.3293, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0757, 0.3601, 0.2755 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(136, 80, 109)` looks like.

```
.text, #text, p{  
    color:rgb(136, 80, 109)  
}
```

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(136, 80, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 80, 109) }
```

Border

The CSS property to change the border of an element to Yxy 12.0757, 0.3601, 0.2755 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(136, 80, 109) }
```

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

```
.border{ border-color:rgb(136, 80, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 80, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 80, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 80, 109); box-shadow:4px 4px 4px 4px rgb(136, 80, 109) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0757, 0.3601, 0.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 80, 109) }
```

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

```
.background{ background-color: rgb(136, 80,  
109) }
```

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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