

Converting Colors

$Y_{xy}(12.1732, 0.3574, 0.2783)$

Have a look what the booklet for
Yxy(12.1732, 0.3574, 0.2783)
contains.

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Color

Yxy(12.2070, 0.3562, 0.2786)

Conversions

Conversions Part 1

Format	Color
Hex	86526D
RGB	134, 82, 109
RGB Percent	53%, 32%, 43%
CMY	0.4746, 0.6784, 0.5725
CMYK	0.00, 0.39, 0.19, 0.47
HSL	329°, 24%, 42%
HSV	329°, 39%, 53%
XYZ	15.6071, 12.2070, 16.0014
YIQ	100.6260, 22.3250, 19.4210

Conversions

Conversions Part 2

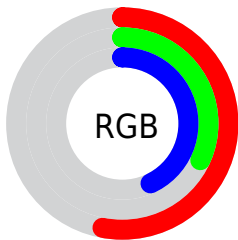
Format	Color
RYB	134, 82, 109
Decimal	8802925
CIELab	41.54, 25.77, -6.33
CIELCh	42, 26.534, 346.197
Yxy	12.2070, 0.3562, 0.2786
Android (android.graphics.Color)	4286993005 (0xFF86526D)
YUV	100.6260, 4.1284, 29.2690
Hunter-Lab	34.9385, 18.5938, -2.6971

Details

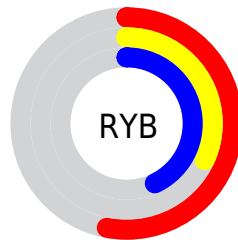
The Yxy color **12.2070, 0.3562, 0.2786** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.9015, 0.2844, 0.3862**, and the grayscale version is **12.8978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7320, 0.3457, 0.2909**, and **3.3889, 0.3767, 0.2534** is the 20% darker color. If you saturate the color by 10%, you get **10.2463, 0.3726, 0.2658**, and if you desaturate by 10%, it is **14.5736, 0.3421, 0.2920**.

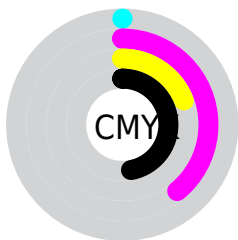
Distribution



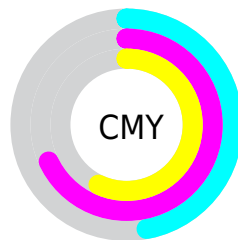
- Red (53%)
- Green (32%)
- Blue (43%)



- Red (53%)
- Yellow (32%)
- Blue (43%)



- Cyan (0%)
- Magenta (39%)
- Yellow (19%)
- Black (47%)





- Cyan (47%)
- Magenta (68%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2070, 0.3562, 0.2786 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 12.2070, 0.3562, 0.2786 by changing the saturation by 10% instead.


 12.2070, 0.3562,
0.2786


 12.2070, 0.3562,
0.2786


205.7709, 0.3302,
0.3084


 6.8848, 0.3648,
0.2690


 29.8716, 0.3454,
0.2908


 3.3902, 0.3776,
0.2550

 42.9827, 0.3418,
0.2949


 1.3387, 0.3986,
0.2327

 59.4590, 0.3389,
0.2983

 0.1708, 0.4975,
0.1074

 79.6848, 0.3365,
0.3010

 0.0000, 0.0000,
0.0000

 104.0445, 0.3345,
0.3033

132.9225, 0.3329,

0.3052

166.7031, 0.3314,
0.3069

■ 12.2070, 0.3562,
0.2786

■ 12.2070, 0.3562,
0.2786

■ 10.2463, 0.3726,
0.2658

■ 14.5736, 0.3421,
0.2920

■ 8.6666, 0.3912,
0.2545

■ 17.3658, 0.3302,
0.3053

■ 7.4427, 0.4119,
0.2456


■ 20.6041, 0.3202,
0.3182


■ 6.5457, 0.4341,
0.2403


■ 24.3071, 0.3118,
0.3304

■ 5.9422, 0.4568,
0.2395


■ 28.4924, 0.3048,
0.3419

 5.5489, 0.4796,
0.2427

 33.1766, 0.2990,
0.3525

 5.5038, 0.4825,
0.2431

 38.3756, 0.2942,
0.3624

 44.1045, 0.2902,
0.3714

 50.3779, 0.2868,
0.3796

Harmonies

Analogous

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



12.2070, 0.2970, 0.2500



12.2070, 0.3562, 0.2786



12.2070, 0.4062, 0.3187

Triad

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



12.2070, 0.3562, 0.2786



12.2070, 0.3749, 0.4320



12.2070, 0.2094, 0.2775

Complementary

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



12.2070, 0.3562, 0.2786



19.9015, 0.2844, 0.3862

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.



12.2070, 0.2260, 0.3292



12.2070, 0.3562, 0.2786



12.2070, 0.3197, 0.4281

Square

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



12.2070, 0.3562, 0.2786



12.2070, 0.4156, 0.4054



12.2070, 0.2654, 0.3880



12.2070, 0.2168, 0.2465

Rectangle

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



12.2070, 0.3562, 0.2786



12.2070, 0.4248, 0.3486



12.2070, 0.2654, 0.3880



12.2070, 0.2123, 0.2928

Sweetspot

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



12.2076, 0.3562, 0.2786



34.2376, 0.3234, 0.3138



10.8377, 0.2766, 0.2254



7.5768, 0.3245, 0.3124



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



12.2076, 0.3562, 0.2786



18.2947, 0.3712, 0.2668



11.7395, 0.4008, 0.3259



4.7261, 0.3205, 0.3178



5.1614, 0.4819, 0.2428



0.0194, 0.3988, 0.1971

Inverse Universe

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



12.2076, 0.3562, 0.2786



18.2947, 0.3712, 0.2668



20.5129, 0.2622, 0.3323



4.7261, 0.3205, 0.3178



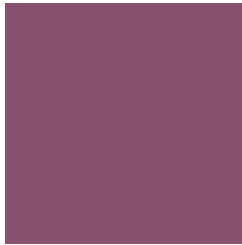
5.1614, 0.4819, 0.2428



0.0194, 0.3988, 0.1971

Previews

White Background



This preview shows how the Yxy color 12.2070, 0.3562, 0.2786 looks on a white background.

Color Contrast Check

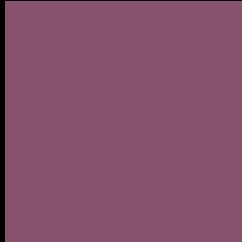
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2070, 0.3562, 0.2786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

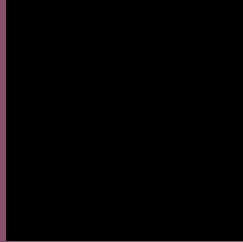
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2070, 0.3562, 0.2786

Background



This preview shows how black text looks on a background with the Yxy color 12.2070, 0.3562, 0.2786.



This preview shows how white text looks on a background with the Yxy color 12.2070, 0.3562, 0.2786.

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

12.2070, 0.3562, 0.2786

Protanopia

12.4470, 0.2801, 0.2831

Deuteranopia

12.3703, 0.3094, 0.3050



Tritanopia

12.1752, 0.3810, 0.3157

Trichromacy



Original Color

12.2070, 0.3562, 0.2786

Protanomaly

12.1433, 0.3059, 0.2808

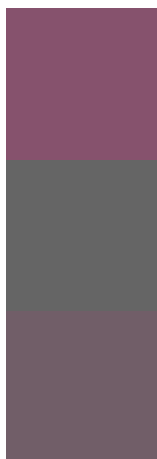
Deuteranomaly

12.2097, 0.3253, 0.2938

Tritanomaly

12.2090, 0.3727, 0.3024

Monochromacy



Original Color

12.2070, 0.3562, 0.2786

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.5156, 0.3276, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2070, 0.3562, 0.2786 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(134, 82, 109)` looks like.

```
.text, #text, p{  
    color:rgb(134, 82, 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(134, 82, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 82, 109) }
```

Border

The CSS property to change the border of an element to Yxy 12.2070, 0.3562, 0.2786 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(134, 82, 109) }
```

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

```
.border{ border-color:rgb(134, 82, 109) }
```

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

Here you see how a box with a 4 pixel rgb(134, 82, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 82, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 82, 109);  
box-shadow:4px 4px 4px 4px rgb(134, 82,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2070, 0.3562, 0.2786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 82, 109) }
```

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

```
.background{ background-color: rgb(134, 82,  
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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