

Converting Colors

$Y_{xy}(12.6697, 0.3576, 0.2763)$

Have a look what the booklet for
Yxy(12.6697, 0.3576, 0.2763)
contains.

Yxy(12.7596, 0.3573, 0.2763)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.7596, 0.3573, 0.2763)

Conversions

Conversions Part 1

Format	Color
Hex	8A5370
RGB	138, 83, 112
RGB Percent	54%, 33%, 44%
CMY	0.4588, 0.6745, 0.5608
CMYK	0.00, 0.40, 0.19, 0.46
HSL	328°, 25%, 43%
HSV	328°, 40%, 54%
XYZ	16.5002, 12.7596, 16.9204
YIQ	102.7510, 23.4710, 20.6790

Conversions

Conversions Part 2

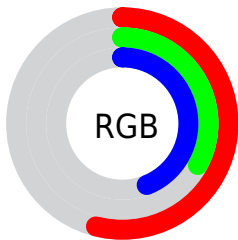
Format	Color
RYB	138, 83, 112
Decimal	9065328
CIELab	42.40, 27.21, -6.84
CIELCh	42, 28.052, 345.890
Yxy	12.7596, 0.3573, 0.2763
Android (android.graphics.Color)	4287255408 (0xFF8A5370)
YUV	102.7510, 4.5598, 30.9134
Hunter-Lab	35.7206, 19.9424, -3.0806

Details

The Yxy color **12.7596, 0.3573, 0.2763** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.1237, 0.2841, 0.3892**, and the grayscale version is **13.4777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0680, 0.3464, 0.2892**, and **3.6104, 0.3781, 0.2530** is the 20% darker color. If you saturate the color by 10%, you get **10.7143, 0.3737, 0.2634**, and if you desaturate by 10%, it is **15.2370, 0.3432, 0.2898**.

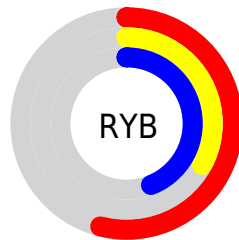
Distribution



Red (54%)

Green (33%)

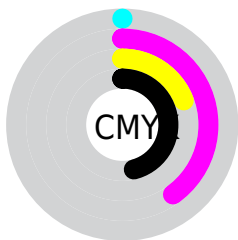
Blue (44%)



Red (54%)

Yellow (33%)

Blue (44%)

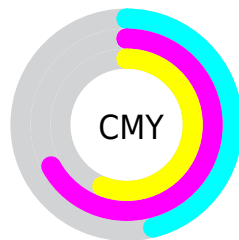


Cyan (0%)

Magenta (40%)

Yellow (19%)

Black (46%)



Cyan (46%)

Magenta (67%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7596, 0.3573, 0.2763 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 12.7596, 0.3573, 0.2763 by changing the saturation by 10% instead.


 12.7596, 0.3573,
0.2763


 12.7596, 0.3573,
0.2763


209.3712, 0.3308,
0.3072

 7.2632, 0.3659,
0.2665


 30.8712, 0.3464,
0.2889


 3.6273, 0.3786,
0.2524

 44.2552, 0.3427,
0.2932

 1.4673, 0.3992,
0.2300

 61.0373, 0.3397,
0.2966

 0.2656, 0.4708,
0.1361

 81.6017, 0.3373,
0.2995

 0.0000, 0.0000,
0.0000

 106.3329, 0.3353,
0.3019

135.6153, 0.3336,

0.3039

169.8332, 0.3321,
0.3057

■ 12.7596, 0.3573,
0.2763

■ 12.7596, 0.3573,
0.2763

■ 10.7143, 0.3737,
0.2634

■ 15.2370, 0.3432,
0.2898

■ 9.0741, 0.3923,
0.2521

■ 18.1680, 0.3312,
0.3034

■ 7.8115, 0.4128,
0.2434


■ 21.5748, 0.3211,
0.3166

■ 6.8951, 0.4347,
0.2385


■ 25.4774, 0.3126,
0.3292

■ 6.2879, 0.4571,
0.2382


■ 29.8949, 0.3056,
0.3409

 5.8872, 0.4795,
0.2416

 34.8453, 0.2997,
0.3519

 5.8819, 0.4798,
0.2417

 40.3458, 0.2949,
0.3619

 46.4126, 0.2908,
0.3712

 53.0614, 0.2874,
0.3797

Harmonies

Analogous

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



12.7596, 0.2956, 0.2469



12.7596, 0.3573, 0.2763



12.7596, 0.4098, 0.3176

Triad

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



12.7596, 0.3573, 0.2763



12.7596, 0.3777, 0.4361



12.7596, 0.2056, 0.2757

Complementary

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



12.7596, 0.3573, 0.2763



21.1237, 0.2841, 0.3892

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.



12.7596, 0.2230, 0.3296



12.7596, 0.3573, 0.2763



12.7596, 0.3203, 0.4328

Square

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



12.7596, 0.3573, 0.2763



12.7596, 0.4199, 0.4076



12.7596, 0.2638, 0.3912



12.7596, 0.2131, 0.2435

Rectangle

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



12.7596, 0.3573, 0.2763



12.7596, 0.4293, 0.3485



12.7596, 0.2638, 0.3912



12.7596, 0.2086, 0.2916

Sweetspot

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



12.7602, 0.3573, 0.2763



36.5062, 0.3233, 0.3135



11.2519, 0.2752, 0.2220



8.0396, 0.3244, 0.3121



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.



12.7602, 0.3573, 0.2763



19.1557, 0.3722, 0.2645



12.2437, 0.4048, 0.3259



5.0897, 0.3204, 0.3175



5.3948, 0.4791, 0.2413



0.0388, 0.3970, 0.1961

Inverse Universe

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



12.7602, 0.3573, 0.2763



19.1557, 0.3722, 0.2645



21.8019, 0.2610, 0.3324



5.0897, 0.3204, 0.3175



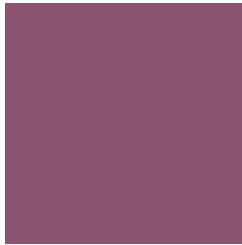
5.3948, 0.4791, 0.2413



0.0388, 0.3970, 0.1961

Previews

White Background



This preview shows how the Yxy color 12.7596, 0.3573, 0.2763 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 12.7596, 0.3573, 0.2763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

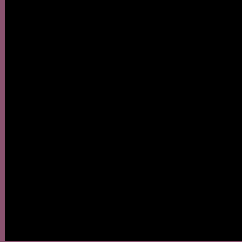
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7596, 0.3573, 0.2763

Background



This preview shows how black text looks on a background with the Yxy color 12.7596, 0.3573, 0.2763.



This preview shows how white text looks on a background with the Yxy color 12.7596, 0.3573, 0.2763.

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

12.7596, 0.3573, 0.2763

Protanopia

12.9773, 0.2770, 0.2797

Deuteranopia

12.9037, 0.3094, 0.3054



Tritanopia

12.8409, 0.3846, 0.3179

Trichromacy



Original Color

12.7596, 0.3573, 0.2763

Protanomaly

12.7168, 0.3034, 0.2778

Deuteranomaly

12.8060, 0.3266, 0.2945

Tritanomaly

12.8940, 0.3748, 0.3031

Monochromacy



Original Color

12.7596, 0.3573, 0.2763

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.1194, 0.3288, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7596, 0.3573, 0.2763 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(138, 83, 112)` looks like.

```
.text, #text, p{  
    color:rgb(138, 83, 112)  
}
```

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(138, 83, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 83, 112) }
```

Border

The CSS property to change the border of an element to Yxy 12.7596, 0.3573, 0.2763 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(138, 83, 112) }
```

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

```
.border{ border-color:rgb(138, 83, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 83, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 83, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 83, 112);  
box-shadow:4px 4px 4px 4px rgb(138, 83,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7596, 0.3573, 0.2763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 83, 112) }
```

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

```
.background{ background-color: rgb(138, 83,  
112) }
```

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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