

Converting Colors

$Y_{xy}(12.5000, 0.3539, 0.2736)$

Have a look what the booklet for
Yxy(12.5000, 0.3539, 0.2736)
contains.

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Color

Yxy(12.4387, 0.3544, 0.2739)

Conversions

Conversions Part 1

Format	Color
Hex	885270
RGB	136, 82, 112
RGB Percent	53%, 32%, 44%
CMY	0.4667, 0.6784, 0.5608
CMYK	0.00, 0.40, 0.18, 0.47
HSL	327°, 25%, 43%
HSV	327°, 40%, 53%
XYZ	16.0945, 12.4387, 16.8801
YIQ	101.5660, 22.5540, 20.7780

Conversions

Conversions Part 2

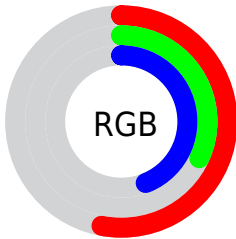
Format	Color
R_{YB}	136, 82, 112
Decimal	8934000
CIE Lab	41.91, 27.03, -7.60
CIE LCh	42, 28.078, 344.286
Yxy	12.4387, 0.3544, 0.2739
Android (android.graphics.Color)	4287124080 (0xFF885270)
YUV	101.5660, 5.1440, 30.1986
Hunter-Lab	35.2685, 19.7369, -3.6892

Details

The Yxy color **12.4387, 0.3544, 0.2739** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.4421, 0.2856, 0.3922**, and the grayscale version is **13.1505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1300, 0.3435, 0.2860**, and **3.5035, 0.3760, 0.2498** is the 20% darker color. If you saturate the color by 10%, you get **10.4571, 0.3696, 0.2604**, and if you desaturate by 10%, it is **14.8370, 0.3412, 0.2881**.

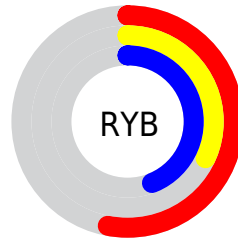
Distribution



Red (53%)

Green (32%)

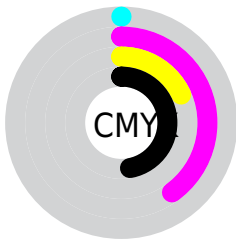
Blue (44%)



Red (53%)

Yellow (32%)

Blue (44%)

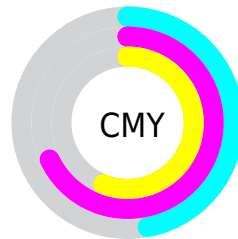


Cyan (0%)

Magenta (40%)

Yellow (18%)

Black (47%)



Cyan (47%)


Magenta (68%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4387, 0.3544, 0.2739 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 12.4387, 0.3544, 0.2739 by changing the saturation by 10% instead.


 12.4387, 0.3544,
0.2739


 12.4387, 0.3544,
0.2739


207.2884, 0.3297,
0.3062


 7.0432, 0.3624,
0.2637


 30.2916, 0.3442,
0.2871

 3.4891, 0.3743,
0.2488

 43.5178, 0.3408,
0.2916

 1.3921, 0.3935,
0.2254

 60.1231, 0.3380,
0.2952

 0.2109, 0.4695,
0.1151

 80.4917, 0.3357,
0.2982

 0.0000, 0.0000,
0.0000

 105.0082, 0.3338,
0.3007

134.0568, 0.3322,

0.3028

168.0221, 0.3309,
0.3046

■ 12.4387, 0.3544,
0.2739

■ 12.4387, 0.3544,
0.2739

■ 10.4571, 0.3696,
0.2604

■ 14.8370, 0.3412,
0.2881

■ 8.8663, 0.3868,
0.2484

■ 17.6727, 0.3300,
0.3023

■ 7.6398, 0.4058,
0.2391


■ 20.9669, 0.3205,
0.3162


■ 6.7474, 0.4260,
0.2334


■ 24.7393, 0.3125,
0.3294


■ 6.1538, 0.4466,
0.2324

■ 29.0079, 0.3058,
0.3418

 5.7607, 0.4673,
0.2351

 33.7902, 0.3003,
0.3533

 5.7493, 0.4679,
0.2351

 39.1025, 0.2957,
0.3639

 44.9607, 0.2918,
0.3736

 51.3798, 0.2886,
0.3826

Harmonies

Analogous

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



12.4387, 0.2923, 0.2451



12.4387, 0.3544, 0.2739



12.4387, 0.4085, 0.3151

Triad

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



12.4387, 0.3544, 0.2739



12.4387, 0.3810, 0.4362



12.4387, 0.2050, 0.2775

Complementary

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



12.4387, 0.3544, 0.2739



20.4421, 0.2856, 0.3922

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.



12.4387, 0.2238, 0.3329



12.4387, 0.3544, 0.2739



12.4387, 0.3235, 0.4351

Square

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



12.4387, 0.3544, 0.2739



12.4387, 0.4224, 0.4061



12.4387, 0.2661, 0.3949



12.4387, 0.2113, 0.2439

Rectangle

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



12.4387, 0.3544, 0.2739



12.4387, 0.4294, 0.3460



12.4387, 0.2661, 0.3949



12.4387, 0.2085, 0.2939

Sweetspot

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



12.4393, 0.3544, 0.2739



35.3863, 0.3227, 0.3127



10.8408, 0.2729, 0.2219



8.0451, 0.3237, 0.3112



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.



12.4393, 0.3544, 0.2739



18.6379, 0.3686, 0.2612



11.9351, 0.4008, 0.3225



5.0920, 0.3200, 0.3169



5.4438, 0.4675, 0.2349



0.0391, 0.3906, 0.1925

Inverse Universe

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



12.4393, 0.3544, 0.2739



18.6379, 0.3686, 0.2612



21.0782, 0.2627, 0.3360



5.0920, 0.3200, 0.3169



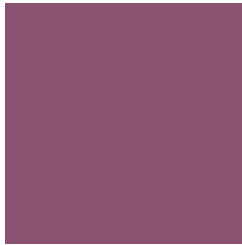
5.4438, 0.4675, 0.2349



0.0391, 0.3906, 0.1925

Previews

White Background



This preview shows how the Yxy color 12.4387, 0.3544, 0.2739 looks on a white background.

Color Contrast Check

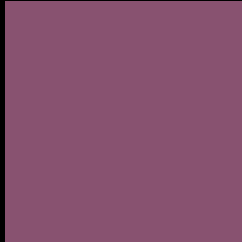
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4387, 0.3544, 0.2739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

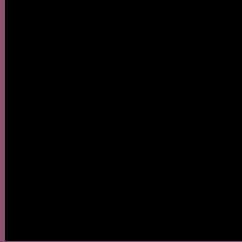
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4387, 0.3544, 0.2739

Background



This preview shows how black text looks on a background with the Yxy color 12.4387, 0.3544, 0.2739.



This preview shows how white text looks on a background with the Yxy color 12.4387, 0.3544, 0.2739.

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

12.4387, 0.3544, 0.2739

Protanopia

12.5451, 0.2754, 0.2751

Deuteranopia

12.5966, 0.3066, 0.3030



Tritanopia

12.4966, 0.3837, 0.3177

Trichromacy



Original Color

12.4387, 0.3544, 0.2739

Protanomaly

12.2374, 0.3005, 0.2731

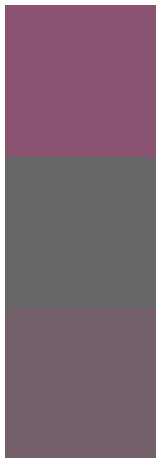
Deuteranomaly

12.4931, 0.3237, 0.2921

Tritanomaly

12.5487, 0.3737, 0.3027

Monochromacy



Original Color

12.4387, 0.3544, 0.2739

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.8024, 0.3260, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4387, 0.3544, 0.2739 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, 82, 112)` looks like.

```
.text, #text, p{  
    color:rgb(136, 82, 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(136, 82, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 82, 112) }
```

Border

The CSS property to change the border of an element to Yxy 12.4387, 0.3544, 0.2739 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, 82, 112) }
```

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

```
.border{ border-color:rgb(136, 82, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 82, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 82, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 82, 112);  
box-shadow:4px 4px 4px 4px rgb(136, 82,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4387, 0.3544, 0.2739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 82, 112) }
```

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

```
.background{ background-color: rgb(136, 82,  
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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