

Converting Colors

$Y_{xy}(11.2435, 0.3394, 0.2782)$

Have a look what the booklet for
Yxy(11.2435, 0.3394, 0.2782)
contains.

Yxy(11.2337, 0.3400, 0.2788)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.2337, 0.3400, 0.2788)

Conversions

Conversions Part 1

Format	Color
Hex	7A526B
RGB	122, 82, 107
RGB Percent	48%, 32%, 42%
CMY	0.5215, 0.6785, 0.5803
CMYK	0.00, 0.33, 0.12, 0.52
HSL	322°, 20%, 40%
HSV	322°, 33%, 48%
XYZ	13.6996, 11.2337, 15.3597
YIQ	96.8100, 15.8150, 16.2550

Conversions

Conversions Part 2

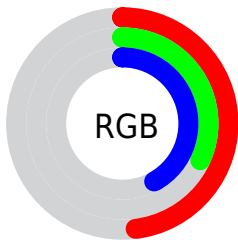
Format	Color
R_{YB}	122, 82, 107
Decimal	8016491
CIE _{Lab}	39.97, 20.90, -7.61
CIE _{LCh}	40, 22.243, 339.992
Yxy	11.2337, 0.3400, 0.2788
Android (android.graphics.Color)	4286206571 (0xFF7A526B)
YUV	96.8100, 5.0237, 22.0916
Hunter-Lab	33.5167, 14.3059, -3.7091

Details

The Yxy color **11.2337, 0.3400, 0.2788** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.5802, 0.2928, 0.3854**, and the grayscale version is **11.8900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0851, 0.3335, 0.2918**, and **2.9657, 0.3516, 0.2532** is the 20% darker color. If you saturate the color by 10%, you get **9.4611, 0.3514, 0.2633**, and if you desaturate by 10%, it is **13.3396, 0.3301, 0.2946**.

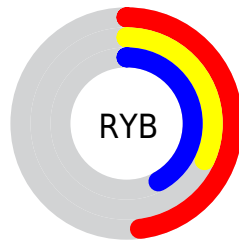
Distribution



Red (48%)

Green (32%)

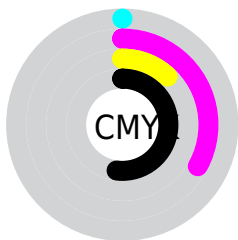
Blue (42%)



Red (48%)

Yellow (32%)

Blue (42%)

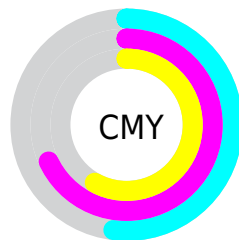


Cyan (0%)

Magenta (33%)

Yellow (12%)

Black (52%)



Cyan (52%)


Magenta (68%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2337, 0.3400, 0.2788 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 11.2337, 0.3400, 0.2788 by changing the saturation by 10% instead.


 11.2337, 0.3400,
0.2788

 11.2337, 0.3400,
0.2788


199.2639, 0.3237,
0.3087


 6.2243, 0.3454,
0.2690


 28.0915, 0.3332,
0.2912


 2.9819, 0.3534,
0.2545

 40.7087, 0.3309,
0.2953


 1.1223, 0.3667,
0.2308

 56.6305, 0.3291,
0.2987

 0.0000, 0.4897,
0.0000

 76.2414, 0.3276,
0.3014

 0.0000, 0.0000,
0.0000

 99.9259, 0.3264,
0.3037

128.0681, 0.3254,

0.3056

161.0527, 0.3245,
0.3073

■ 11.2337, 0.3400,
0.2788

■ 11.2337, 0.3400,
0.2788

■ 9.4611, 0.3514,
0.2633

■ 13.3396, 0.3301,
0.2946

■ 8.0030, 0.3643,
0.2488

■ 15.7936, 0.3217,
0.3101

■ 6.8408, 0.3786,
0.2361


■ 18.6111, 0.3145,
0.3250


■ 5.9535, 0.3941,
0.2262


■ 21.8065, 0.3085,
0.3391


■ 5.3170, 0.4102,
0.2203


■ 25.3930, 0.3034,
0.3522


 4.9024, 0.4265,
0.2188

 29.3836, 0.2991,
0.3644

 4.6646, 0.4386,
0.2190

 33.7903, 0.2956,
0.3757

 38.6249, 0.2926,
0.3861

 43.8985, 0.2902,
0.3956

Harmonies

Analogous

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



11.2337, 0.2894, 0.2562



11.2337, 0.3400, 0.2788



11.2337, 0.3859, 0.3128

Triad

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



11.2337, 0.3400, 0.2788



11.2337, 0.3760, 0.4152



11.2337, 0.2237, 0.2932

Complementary

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



11.2337, 0.3400, 0.2788



16.5802, 0.2928, 0.3854

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.



11.2337, 0.2431, 0.3402



11.2337, 0.3400, 0.2788



11.2337, 0.3298, 0.4168

Square

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



11.2337, 0.3400, 0.2788



11.2337, 0.4065, 0.3896



11.2337, 0.2812, 0.3883



11.2337, 0.2258, 0.2615

Rectangle

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



11.2337, 0.3400, 0.2788



11.2337, 0.4056, 0.3389



11.2337, 0.2812, 0.3883



11.2337, 0.2278, 0.3076

Sweetspot

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



11.2342, 0.3400, 0.2788



28.9843, 0.3197, 0.3140



9.9623, 0.2778, 0.2422



6.5052, 0.3206, 0.3123



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



11.2342, 0.3400, 0.2788



17.4745, 0.3480, 0.2677



10.8659, 0.3741, 0.3181



4.0532, 0.3189, 0.3157



4.9078, 0.4389, 0.2192



23.2416, 0.4467, 0.2235

Inverse Universe

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



11.2342, 0.3400, 0.2788



17.4745, 0.3480, 0.2677



16.9941, 0.2731, 0.3404



4.0532, 0.3189, 0.3157



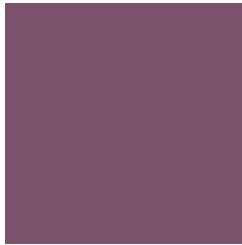
4.9078, 0.4389, 0.2192



23.2416, 0.4467, 0.2235

Previews

White Background



This preview shows how the Yxy color 11.2337, 0.3400, 0.2788 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 11.2337, 0.3400, 0.2788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

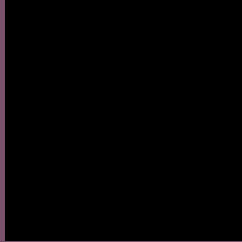
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2337, 0.3400, 0.2788

Background



This preview shows how black text looks on a background with the Yxy color 11.2337, 0.3400, 0.2788.



This preview shows how white text looks on a background with the Yxy color 11.2337, 0.3400, 0.2788.

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

11.2337, 0.3400, 0.2788

Protanopia

11.4169, 0.2790, 0.2815

Deuteranopia

11.3269, 0.3049, 0.2997



Tritanopia

11.2454, 0.3627, 0.3166

Trichromacy



Original Color

11.2337, 0.3400, 0.2788

Protanomaly

11.3070, 0.2997, 0.2810

Deuteranomaly

11.1459, 0.3161, 0.2899

Tritanomaly

11.2687, 0.3545, 0.3024

Monochromacy



Original Color

11.2337, 0.3400, 0.2788

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.6580, 0.3215, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2337, 0.3400, 0.2788 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(122, 82, 107)` looks like.

```
.text, #text, p{  
    color:rgb(122, 82, 107)  
}
```

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(122, 82, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 82, 107) }
```

Border

The CSS property to change the border of an element to Yxy 11.2337, 0.3400, 0.2788 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(122, 82, 107) }
```

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

```
.border{ border-color:rgb(122, 82, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 82, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 82, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 82, 107);  
box-shadow:4px 4px 4px 4px rgb(122, 82,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2337, 0.3400, 0.2788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 82, 107) }
```

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

```
.background{ background-color: rgb(122, 82,  
107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor