

Converting Colors

$Y_{xy}(11.4801, 0.3300, 0.2832)$

Have a look what the booklet for
Yxy(11.4801, 0.3300, 0.2832)
contains.

Yxy(11.5202, 0.3294, 0.2838)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.5202, 0.3294, 0.2838)

Conversions

Conversions Part 1

Format	Color
Hex	75566C
RGB	117, 86, 108
RGB Percent	46%, 34%, 42%
CMY	0.5411, 0.6627, 0.5765
CMYK	0.00, 0.27, 0.08, 0.54
HSL	317°, 15%, 40%
HSV	317°, 27%, 46%
XYZ	13.3712, 11.5202, 15.7012
YIQ	97.7770, 11.4140, 13.4140

Conversions

Conversions Part 2

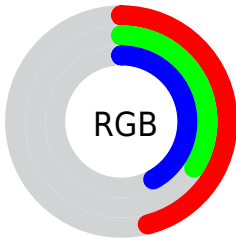
Format	Color
R_{YB}	117, 86, 108
Decimal	7689836
CIE Lab	40.44, 16.75, -7.56
CIE LCh	40, 18.383, 335.706
Yxy	11.5202, 0.3294, 0.2838
Android (android.graphics.Color)	4285879916 (0xFF75566C)
YUV	97.7770, 5.0399, 16.8586
Hunter-Lab	33.9414, 10.9226, -3.6685

Details

The Yxy color **11.5202, 0.3294, 0.2838** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.5310, 0.2993, 0.3790**, and the grayscale version is **12.1413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5465, 0.3252, 0.2954**, and **3.0834, 0.3358, 0.2598** is the 20% darker color. If you saturate the color by 10%, you get **9.7315, 0.3375, 0.2663**, and if you desaturate by 10%, it is **13.6187, 0.3223, 0.3013**.

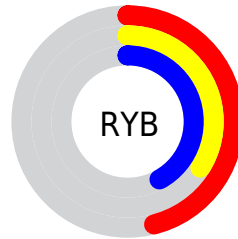
Distribution



Red (46%)

Green (34%)

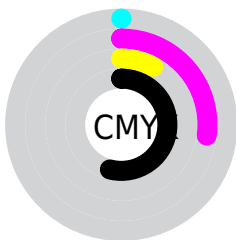
Blue (42%)



Red (46%)

Yellow (34%)

Blue (42%)

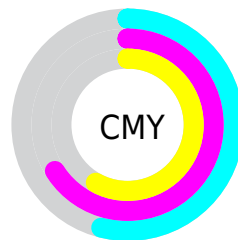


Cyan (0%)

Magenta (27%)

Yellow (8%)

Black (54%)



Cyan (54%)


Magenta (66%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.5202, 0.3294, 0.2838 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 11.5202, 0.3294, 0.2838 by changing the saturation by 10% instead.


 11.5202, 0.3294,
0.2838


 11.5202, 0.3294,
0.2838


201.2025, 0.3195,
0.3108


 6.4179, 0.3326,
0.2749


 28.6182, 0.3253,
0.2950


 3.1008, 0.3373,
0.2618

 41.3826, 0.3240,
0.2987


 1.1846, 0.3448,
0.2404

 57.4699, 0.3229,
0.3017

 0.0491, 0.4192,
0.0451

 77.2644, 0.3220,
0.3042

 0.0000, 0.0000,
0.0000

 101.1505, 0.3212,
0.3062

129.5126, 0.3206,

0.3080

162.7351, 0.3200,
0.3095

■ 11.5202, 0.3294,
0.2838

■ 11.5202, 0.3294,
0.2838

■ 9.7315, 0.3375,
0.2663

■ 13.6187, 0.3223,
0.3013

■ 8.2363, 0.3467,
0.2494

■ 16.0393, 0.3162,
0.3183

■ 7.0187, 0.3568,
0.2338

■ 18.7957, 0.3110,
0.3346

■ 6.0612, 0.3678,
0.2206

■ 21.9001, 0.3066,
0.3499

■ 5.3439, 0.3793,
0.2106

■ 25.3643, 0.3028,
0.3642

■ 4.8442, 0.3911,
0.2045

■ 29.1994, 0.2997,
0.3774

■ 4.5138, 0.4028,
0.2023

■ 33.4160, 0.2970,
0.3896

■ 4.4065, 0.4071,
0.2016

■ 38.0244, 0.2948,
0.4008

■ 43.0345, 0.2930,
0.4111

Harmonies

Analogous

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



11.5202, 0.2883, 0.2665



11.5202, 0.3294, 0.2838



11.5202, 0.3680, 0.3115

Triad

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



11.5202, 0.3294, 0.2838



11.5202, 0.3699, 0.3981



11.5202, 0.2399, 0.3052

Complementary

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



11.5202, 0.3294, 0.2838



15.5310, 0.2993, 0.3790

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.



11.5202, 0.2590, 0.3445



11.5202, 0.3294, 0.2838



11.5202, 0.3333, 0.4015

Square

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



11.5202, 0.3294, 0.2838



11.5202, 0.3917, 0.3760



11.5202, 0.2927, 0.3815



11.5202, 0.2389, 0.2764

Rectangle

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



11.5202, 0.3294, 0.2838



11.5202, 0.3860, 0.3333



11.5202, 0.2927, 0.3815



11.5202, 0.2443, 0.3176

Sweetspot

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



11.5207, 0.3294, 0.2838



27.9352, 0.3172, 0.3155



10.3617, 0.2820, 0.2601



6.2930, 0.3179, 0.3134



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



11.5207, 0.3294, 0.2838



18.5376, 0.3344, 0.2727



11.2237, 0.3543, 0.3149



3.7406, 0.3177, 0.3141



4.8510, 0.4075, 0.2019



23.4851, 0.4133, 0.2051

Inverse Universe

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



11.5207, 0.3294, 0.2838



18.5376, 0.3344, 0.2727



15.8364, 0.2828, 0.3437



3.7406, 0.3177, 0.3141



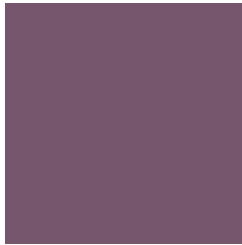
4.8510, 0.4075, 0.2019



23.4851, 0.4133, 0.2051

Previews

White Background



This preview shows how the Yxy color 11.5202, 0.3294, 0.2838 looks on a white background.

Color Contrast Check

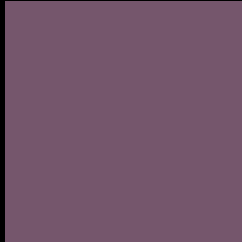
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.5202, 0.3294, 0.2838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

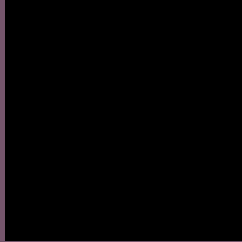
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5202, 0.3294, 0.2838

Background



This preview shows how black text looks on a background with the Yxy color 11.5202, 0.3294, 0.2838.



This preview shows how white text looks on a background with the Yxy color 11.5202, 0.3294, 0.2838.

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

11.5202, 0.3294, 0.2838

Protanopia

11.6746, 0.2830, 0.2863

Deuteranopia

11.5996, 0.3036, 0.2978



Tritanopia

11.4505, 0.3464, 0.3142

Trichromacy



Original Color

11.5202, 0.3294, 0.2838

Protanomaly

11.5908, 0.2982, 0.2852

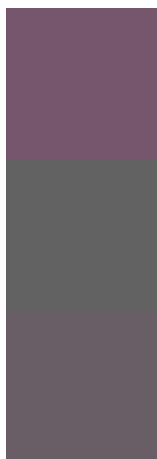
Deuteranomaly

11.4380, 0.3129, 0.2921

Tritanomaly

11.4495, 0.3402, 0.3017

Monochromacy



Original Color

11.5202, 0.3294, 0.2838

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.9680, 0.3181, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5202, 0.3294, 0.2838 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(117, 86, 108)` looks like.

```
.text, #text, p{  
    color:rgb(117, 86, 108)  
}
```

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(117, 86, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 86, 108) }
```

Border

The CSS property to change the border of an element to Yxy 11.5202, 0.3294, 0.2838 is called "border". The border property can be set on classes, ids or directly on the HTML element.

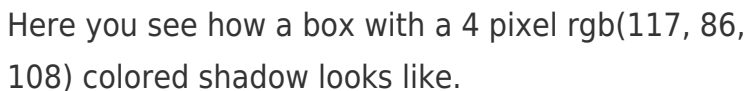
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 86, 108) }
```

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

```
.border{ border-color:rgb(117, 86, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 86, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 86, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 86, 108); box-shadow:4px 4px 4px 4px rgb(117, 86, 108) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5202, 0.3294, 0.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 86, 108) }
```

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

```
.background{ background-color: rgb(117, 86,  
108) }
```

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