

Converting Colors

$Y_{xy}(11.3142, 0.3158, 0.2642)$

Have a look what the booklet for
Yxy(11.3142, 0.3158, 0.2642)
contains.

Yxy(11.3146, 0.3158, 0.2642)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.3146, 0.3158, 0.2642)

Conversions

Conversions Part 1

Format	Color
Hex	745474
RGB	116, 84, 116
RGB Percent	45%, 33%, 45%
CMY	0.5451, 0.6706, 0.5452
CMYK	0.00, 0.28, 0.00, 0.55
HSL	300°, 16%, 39%
HSV	300°, 28%, 45%
XYZ	13.5244, 11.3146, 17.9869
YIQ	97.2160, 8.8000, 16.7360

Conversions

Conversions Part 2

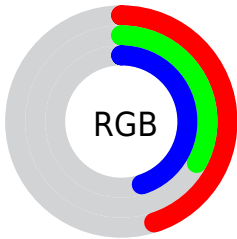
Format	Color
R_{YB}	116, 84, 116
Decimal	7623796
CIE Lab	40.11, 19.20, -13.01
CIE LCh	40, 23.191, 325.887
Yxy	11.3146, 0.3158, 0.2642
Android (android.graphics.Color)	4285813876 (0xFF745474)
YUV	97.2160, 9.2605, 16.4736
Hunter-Lab	33.6372, 12.9040, -8.1582

Details

The Yxy color **11.3146, 0.3158, 0.2642** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.0174, 0.3092, 0.4036**, and the grayscale version is **11.9853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.2022, 0.3150, 0.2799**, and **2.9969, 0.3145, 0.2326** is the 20% darker color. If you saturate the color by 10%, you get **9.6607, 0.3169, 0.2411**, and if you desaturate by 10%, it is **13.2678, 0.3147, 0.2879**.

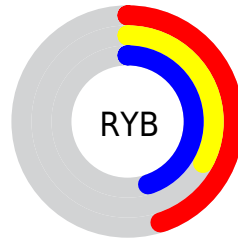
Distribution



Red (45%)

Green (33%)

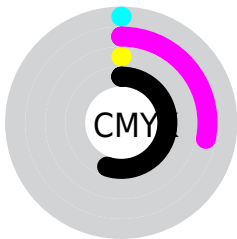
Blue (45%)



Red (45%)

Yellow (33%)

Blue (45%)

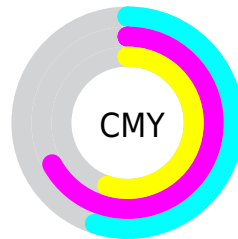


Cyan (0%)

Magenta (28%)

Yellow (0%)

Black (55%)



Cyan (55%)

Magenta (67%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.3146, 0.3158, 0.2642 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 11.3146, 0.3158, 0.2642 by changing the saturation by 10% instead.

■ 11.3146, 0.3158,
0.2642

■ 11.3146, 0.3158,
0.2642

■ 199.8134, 0.3146,
0.3024

■ 6.2789, 0.3158,
0.2520

■ 28.2405, 0.3155,
0.2799

■ 3.0154, 0.3155,
0.2341

■ 40.8994, 0.3153,
0.2852

■ 1.1398, 0.3140,
0.2059

■ 56.8681, 0.3152,
0.2895

■ 0.0117, 0.3395,
0.0083

■ 76.5311, 0.3150,
0.2930

■ 0.0000, 0.0000,
0.0000

■ 100.2727, 0.3149,
0.2959

128.4774, 0.3148,

0.2984

161.5295, 0.3147,
0.3006

■ 11.3146, 0.3158,
0.2642

■ 11.3146, 0.3158,
0.2642

■ 9.6607, 0.3169,
0.2411

■ 13.2678, 0.3147,
0.2879

■ 8.2898, 0.3179,
0.2194

■ 15.5325, 0.3135,
0.3115

■ 7.1867, 0.3189,
0.2000

■ 18.1219, 0.3125,
0.3345

■ 6.3338, 0.3197,
0.1835

■ 21.0483, 0.3114,
0.3564

■ 5.7115, 0.3203,
0.1706

■ 24.3229, 0.3104,
0.3770

■ 5.2973, 0.3208,
0.1616

■ 27.9569, 0.3095,
0.3961

■ 5.0329, 0.3211,
0.1557

■ 31.9606, 0.3087,
0.4137

■ 4.9720, 0.3211,
0.1543

■ 36.3442, 0.3079,
0.4298

■ 41.1171, 0.3073,
0.4444

Harmonies

Analogous

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



11.3146, 0.2667, 0.2481



11.3146, 0.3158, 0.2642



11.3146, 0.3681, 0.2945

Triad

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



11.3146, 0.3158, 0.2642



11.3146, 0.3960, 0.4082



11.3146, 0.2271, 0.3132

Complementary

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



11.3146, 0.3158, 0.2642



15.0174, 0.3092, 0.4036

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.



11.3146, 0.2569, 0.3654



11.3146, 0.3158, 0.2642



11.3146, 0.3540, 0.4235

Square

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



11.3146, 0.3158, 0.2642



11.3146, 0.4161, 0.3741



11.3146, 0.3030, 0.4086



11.3146, 0.2188, 0.2718

Rectangle

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



11.3146, 0.3158, 0.2642



11.3146, 0.3961, 0.3198



11.3146, 0.3030, 0.4086



11.3146, 0.2348, 0.3302

Sweetspot

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



11.3151, 0.3158, 0.2642



27.0390, 0.3136, 0.3101



9.4875, 0.2676, 0.2544



6.3236, 0.3138, 0.3071



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.



11.3151, 0.3158, 0.2642



18.0108, 0.3165, 0.2497



10.9749, 0.3411, 0.2954



3.7579, 0.3137, 0.3081



5.5793, 0.3211, 0.1543



27.1879, 0.3211, 0.1543

Inverse Universe

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



11.3151, 0.3158, 0.2642



18.0108, 0.3165, 0.2497



15.2970, 0.2915, 0.3654



3.7579, 0.3137, 0.3081



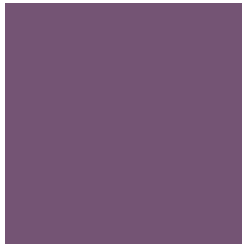
5.5793, 0.3211, 0.1543



27.1879, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 11.3146, 0.3158, 0.2642 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 11.3146, 0.3158, 0.2642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

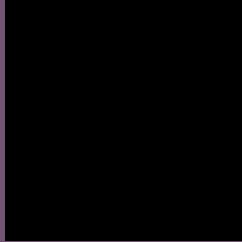
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3146, 0.3158, 0.2642

Background



This preview shows how black text looks on a background with the Yxy color 11.3146, 0.3158, 0.2642.

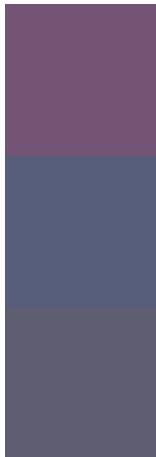


This preview shows how white text looks on a background with the Yxy color 11.3146, 0.3158, 0.2642.

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

11.3146, 0.3158, 0.2642

Protanopia

11.4617, 0.2657, 0.2646

Deuteranopia

11.4233, 0.2856, 0.2820



Tritanopia

11.3164, 0.3431, 0.3140

Trichromacy



Original Color

11.3146, 0.3158, 0.2642

Protanomaly

11.2651, 0.2833, 0.2641

Deuteranomaly

11.3749, 0.2956, 0.2749

Tritanomaly

11.3731, 0.3322, 0.2952

Monochromacy



Original Color

11.3146, 0.3158, 0.2642

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.5968, 0.3140, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3146, 0.3158, 0.2642 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(116, 84, 116)` looks like.

```
.text, #text, p{  
    color:rgb(116, 84, 116)  
}
```

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(116, 84, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 84, 116) }
```

Border

The CSS property to change the border of an element to Yxy 11.3146, 0.3158, 0.2642 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(116, 84, 116) }
```

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

```
.border{ border-color:rgb(116, 84, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 84, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 84, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 84, 116);  
box-shadow:4px 4px 4px 4px rgb(116, 84,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3146, 0.3158, 0.2642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 84, 116) }
```

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

```
.background{ background-color: rgb(116, 84,  
116) }
```

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