

Converting Colors

$Y_{xy}(13.4489, 0.2882, 0.2485)$

Have a look what the booklet for
Yxy(13.4489, 0.2882, 0.2485)
contains.

Yxy(13.4960, 0.2886, 0.2489)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.4960, 0.2886, 0.2489)

Conversions

Conversions Part 1

Format	Color
Hex	745E88
RGB	116, 94, 136
RGB Percent	45%, 37%, 53%
CMY	0.5451, 0.6314, 0.4666
CMYK	0.15, 0.31, 0.00, 0.47
HSL	271°, 18%, 45%
HSV	271°, 31%, 53%
XYZ	15.6486, 13.4960, 25.0779
YIQ	105.3660, -0.3700, 17.7260

Conversions

Conversions Part 2

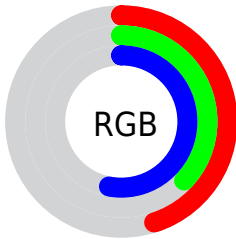
Format	Color
R_{YB}	116, 94, 136
Decimal	7626376
CIE _{Lab}	43.50, 17.57, -20.01
CIE _{LCh}	44, 26.627, 311.290
Yxy	13.4960, 0.2886, 0.2489
Android (android.graphics.Color)	4285816456 (0xFF745E88)
YUV	105.3660, 15.1026, 9.3260
Hunter-Lab	36.7369, 11.7452, -14.7577

Details

The Yxy color **13.4960, 0.2886, 0.2489** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.0001, 0.3311, 0.4099**, and the grayscale version is **14.1894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3599, 0.2959, 0.2685**, and **3.9791, 0.2755, 0.2170** is the 20% darker color. If you saturate the color by 10%, you get **10.8579, 0.2785, 0.2205**, and if you desaturate by 10%, it is **16.5925, 0.2976, 0.2765**.

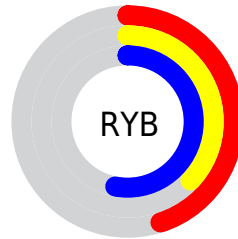
Distribution



Red (45%)

Green (37%)

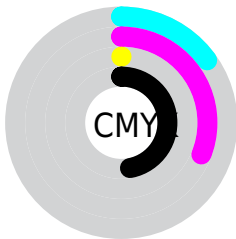
Blue (53%)



Red (45%)

Yellow (37%)

Blue (53%)

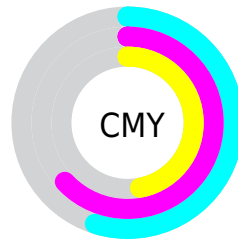


Cyan (15%)

Magenta (31%)

Yellow (0%)

Black (47%)



Cyan (55%)

Magenta (63%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4960, 0.2886, 0.2489 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 13.4960, 0.2886, 0.2489 by changing the saturation by 10% instead.

■ 13.4960, 0.2886,
0.2489

■ 13.4960, 0.2886,
0.2489

214.0725, 0.3037,
0.2947

■ 7.7710, 0.2833,
0.2351

■ 32.1920, 0.2950,
0.2672

■ 3.9488, 0.2754,
0.2158

■ 45.9318, 0.2971,
0.2735

■ 1.6449, 0.2621,
0.1870

■ 63.1120, 0.2988,
0.2787

■ 0.3876, 0.2428,
0.1180

■ 84.1170, 0.3002,
0.2830

■ 0.0000, 0.0000,
0.0000

109.3311, 0.3013,
0.2866

139.1388, 0.3022,

0.2897

173.9245, 0.3030,
0.2924

■ 13.4960, 0.2886,
0.2489

■ 13.4960, 0.2886,
0.2489

■ 10.8579, 0.2785,
0.2205

■ 16.5925, 0.2976,
0.2765

■ 8.6536, 0.2673,
0.1922

■ 20.1671, 0.3054,
0.3026

■ 6.8586, 0.2554,
0.1652


■ 24.2403, 0.3122,
0.3269


■ 5.4450, 0.2431,
0.1407


■ 28.8311, 0.3179,
0.3492

■ 4.3817, 0.2309,
0.1200

■ 33.9571, 0.3227,
0.3695


 3.6320, 0.2193,
0.1041

 39.6353, 0.3267,
0.3878

 3.1242, 0.2093,
0.0927

 45.8821, 0.3300,
0.4042

 52.7128, 0.3327,
0.4188

 60.1425, 0.3350,
0.4320

Harmonies

Analogous

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



13.4960, 0.2427, 0.2404



13.4960, 0.2886, 0.2489



13.4960, 0.3456, 0.2745

Triad

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



13.4960, 0.2886, 0.2489



13.4960, 0.4168, 0.3975



13.4960, 0.2333, 0.3387

Complementary

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



13.4960, 0.2886, 0.2489



22.0001, 0.3311, 0.4099

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.



13.4960, 0.2748, 0.3944



13.4960, 0.2886, 0.2489



13.4960, 0.3811, 0.4265

Square

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



13.4960, 0.2886, 0.2489



13.4960, 0.4237, 0.3558



13.4960, 0.3288, 0.4281



13.4960, 0.2132, 0.2862

Rectangle

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



13.4960, 0.2886, 0.2489



13.4960, 0.3818, 0.2987



13.4960, 0.3288, 0.4281



13.4960, 0.2450, 0.3581

Sweetspot

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



13.4966, 0.2886, 0.2489



36.6829, 0.3067, 0.3069



16.2626, 0.2651, 0.2852



8.2913, 0.3057, 0.3036



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.



13.4966, 0.2886, 0.2489



20.4806, 0.2817, 0.2293



14.9999, 0.3171, 0.2564



5.0126, 0.3067, 0.3070



2.9619, 0.2096, 0.0928



0.0284, 0.2573, 0.1191

Inverse Universe

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



14.4574, 0.3477, 0.2923



22.5096, 0.3584, 0.2837



20.8132, 0.3080, 0.4142



5.0857, 0.3211, 0.3186



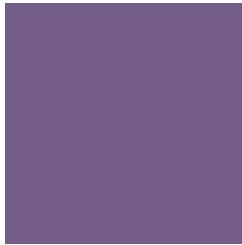
5.3153, 0.4998, 0.2527



0.0382, 0.4093, 0.2028

Previews

White Background



This preview shows how the Yxy color 13.4960, 0.2886, 0.2489 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 13.4960, 0.2886, 0.2489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

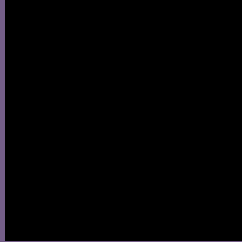
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4960, 0.2886, 0.2489

Background



This preview shows how black text looks on a background with the Yxy color 13.4960, 0.2886, 0.2489.



This preview shows how white text looks on a background with the Yxy color 13.4960, 0.2886, 0.2489.

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

13.4960, 0.2886, 0.2489

Protanopia

13.6799, 0.2530, 0.2482

Deuteranopia

13.5434, 0.2653, 0.2595



Tritanopia

13.5554, 0.3192, 0.3143

Trichromacy



Original Color

13.4960, 0.2886, 0.2489

Protanomaly

13.5265, 0.2645, 0.2476

Deuteranomaly

13.3682, 0.2733, 0.2549

Tritanomaly

13.5541, 0.3074, 0.2884

Monochromacy



Original Color

13.4960, 0.2886, 0.2489

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.8195, 0.3043, 0.2980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4960, 0.2886, 0.2489 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, 94, 136)` looks like.

```
.text, #text, p{  
  color:rgb(116, 94, 136)  
}
```

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, 94, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 94, 136) }
```

Border

The CSS property to change the border of an element to Yxy 13.4960, 0.2886, 0.2489 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, 94, 136) }
```

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

```
.border{ border-color:rgb(116, 94, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 94, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 94, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 94, 136);  
box-shadow:4px 4px 4px 4px rgb(116, 94,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4960, 0.2886, 0.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 94, 136) }
```

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

```
.background{ background-color: rgb(116, 94,  
136) }
```

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