

Converting Colors

$Y_{xy}(13.7985, 0.2945, 0.2357)$

Have a look what the booklet for
Yxy(13.7985, 0.2945, 0.2357)
contains.

Yxy(13.7009, 0.2947, 0.2355)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.7009, 0.2947, 0.2355)

Conversions

Conversions Part 1

Format	Color
Hex	7E5A8E
RGB	126, 90, 142
RGB Percent	49%, 35%, 56%
CMY	0.5058, 0.6471, 0.4431
CMYK	0.11, 0.37, 0.00, 0.44
HSL	282°, 22%, 45%
HSV	282°, 37%, 56%
XYZ	17.1450, 13.7009, 27.3320
YIQ	106.6920, 4.7640, 23.8040

Conversions

Conversions Part 2

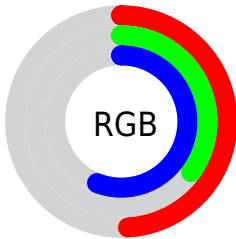
Format	Color
R_{YB}	126, 90, 142
Decimal	8280718
CIE _{Lab}	43.80, 24.75, -23.06
CIE _{LCh}	44, 33.826, 317.026
Yxy	13.7009, 0.2947, 0.2355
Android (android.graphics.Color)	4286470798 (0xFF7E5A8E)
YUV	106.6920, 17.4068, 16.9331
Hunter-Lab	37.0147, 17.9045, -17.8699

Details

The Yxy color **13.7009, 0.2947, 0.2355** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.1466, 0.3244, 0.4300**, and the grayscale version is **14.5639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6190, 0.2993, 0.2564**, and **4.0370, 0.2830, 0.1978** is the 20% darker color. If you saturate the color by 10%, you get **11.2062, 0.2880, 0.2092**, and if you desaturate by 10%, it is **16.6689, 0.3006, 0.2621**.

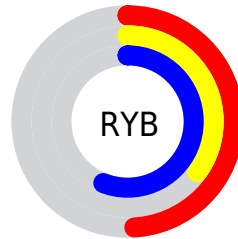
Distribution



Red (49%)

Green (35%)

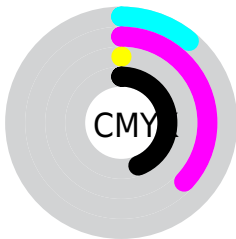
Blue (56%)



Red (49%)

Yellow (35%)

Blue (56%)

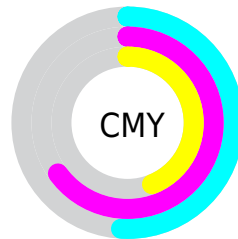


Cyan (11%)

Magenta (37%)

Yellow (0%)

Black (44%)



Cyan (51%)

Magenta (65%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7009, 0.2947, 0.2355 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 13.7009, 0.2947, 0.2355 by changing the saturation by 10% instead.


 13.7009, 0.2947,
0.2355

 13.7009, 0.2947,
0.2355


215.3621, 0.3065,
0.2881


 7.9129, 0.2904,
0.2202


 32.5574, 0.2999,
0.2562


 4.0393, 0.2836,
0.1992

 46.3947, 0.3015,
0.2634


 1.6956, 0.2722,
0.1688

 63.6839, 0.3028,
0.2694

 0.4208, 0.2548,
0.1057

 84.8093, 0.3039,
0.2744

 0.0000, 0.0000,
0.0000

 110.1555, 0.3047,
0.2786

140.1068, 0.3054,

0.2822

175.0475, 0.3060,
0.2853

■ 13.7009, 0.2947,
0.2355

■ 13.7009, 0.2947,
0.2355

■ 11.2062, 0.2880,
0.2092

■ 16.6689, 0.3006,
0.2621

■ 9.1566, 0.2806,
0.1841

■ 20.1327, 0.3058,
0.2883

■ 7.5239, 0.2728,
0.1614


■ 24.1154, 0.3102,
0.3133


■ 6.2755, 0.2647,
0.1421


■ 28.6382, 0.3139,
0.3367

■ 5.3740, 0.2566,
0.1271


■ 33.7211, 0.3169,
0.3585


 4.7575, 0.2487,
0.1163

 39.3829, 0.3194,
0.3785

 4.5704, 0.2460,
0.1129

 45.6418, 0.3214,
0.3966

 52.5150, 0.3230,
0.4130

 60.0190, 0.3242,
0.4279

Harmonies

Analogous

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



13.7009, 0.2348, 0.2206



13.7009, 0.2947, 0.2355



13.7009, 0.3675, 0.2694

Triad

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



13.7009, 0.2947, 0.2355



13.7009, 0.4357, 0.4202



13.7009, 0.2071, 0.3258

Complementary

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



13.7009, 0.2947, 0.2355



23.1466, 0.3244, 0.4300

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.



13.7009, 0.2526, 0.4006



13.7009, 0.2947, 0.2355



13.7009, 0.3846, 0.4552

Square

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



13.7009, 0.2947, 0.2355



13.7009, 0.4540, 0.3694



13.7009, 0.3175, 0.4522



13.7009, 0.1891, 0.2636

Rectangle

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



13.7009, 0.2947, 0.2355



13.7009, 0.4115, 0.2998



13.7009, 0.3175, 0.4522



13.7009, 0.2194, 0.3508

Sweetspot

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



13.7015, 0.2947, 0.2355



39.1756, 0.3083, 0.3019



14.5299, 0.2532, 0.2573



8.5682, 0.3078, 0.2990



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



13.7015, 0.2947, 0.2355



20.4563, 0.2892, 0.2136



14.7407, 0.3301, 0.2560



5.4290, 0.3091, 0.3070



4.1135, 0.2464, 0.1131



0.0510, 0.2826, 0.1331

Inverse Universe

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



14.1020, 0.3709, 0.3004



21.3539, 0.3906, 0.2939



22.4304, 0.2993, 0.4153



5.4497, 0.3236, 0.3223



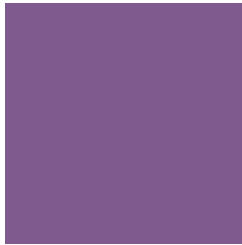
5.3271, 0.5673, 0.2899



0.0545, 0.4614, 0.2315

Previews

White Background



This preview shows how the Yxy color 13.7009, 0.2947, 0.2355 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 13.7009, 0.2947, 0.2355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

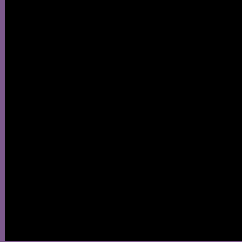
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7009, 0.2947, 0.2355

Background



This preview shows how black text looks on a background with the Yxy color 13.7009, 0.2947, 0.2355.



This preview shows how white text looks on a background with the Yxy color 13.7009, 0.2947, 0.2355.

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

13.7009, 0.2947, 0.2355

Protanopia

13.7960, 0.2401, 0.2309

Deuteranopia

13.7759, 0.2582, 0.2523



Tritanopia

13.7484, 0.3359, 0.3149

Trichromacy



Original Color

13.7009, 0.2947, 0.2355

Protanomaly

13.6402, 0.2574, 0.2329

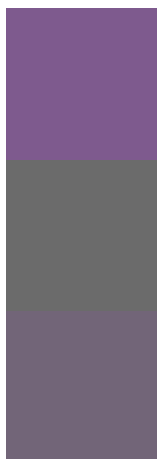
Deuteranomaly

13.7226, 0.2705, 0.2455

Tritanomaly

13.6300, 0.3207, 0.2841

Monochromacy



Original Color

13.7009, 0.2947, 0.2355

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.2408, 0.3061, 0.2909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7009, 0.2947, 0.2355 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(126, 90, 142)` looks like.

```
.text, #text, p{  
    color:rgb(126, 90, 142)  
}
```

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(126, 90, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 90, 142) }
```

Border

The CSS property to change the border of an element to Yxy 13.7009, 0.2947, 0.2355 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(126, 90, 142) }
```

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

```
.border{ border-color:rgb(126, 90, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 90, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 90, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 90, 142);  
box-shadow:4px 4px 4px 4px rgb(126, 90,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7009, 0.2947, 0.2355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 90, 142) }
```

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

```
.background{ background-color: rgb(126, 90,  
142) }
```

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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