

Converting Colors

$Y_{xy}(13.8944, 0.2919, 0.2260)$

Have a look what the booklet for
Yxy(13.8944, 0.2919, 0.2260)
contains.

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Color

Yxy(13.9500, 0.2913, 0.2262)

Conversions

Conversions Part 1

Format	Color
Hex	815994
RGB	129, 89, 148
RGB Percent	51%, 35%, 58%
CMY	0.4943, 0.6509, 0.4197
CMYK	0.13, 0.40, 0.00, 0.42
HSL	281°, 25%, 46%
HSV	281°, 40%, 58%
XYZ	17.9648, 13.9500, 29.7563
YIQ	107.6860, 4.9010, 26.8290

Conversions

Conversions Part 2

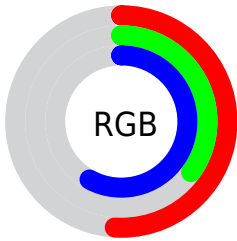
Format	Color
R _Y B	129, 89, 148
Decimal	8477076
CIE Lab	44.16, 27.63, -26.06
CIE LCh	44, 37.982, 316.672
Yxy	13.9500, 0.2913, 0.2262
Android (android.graphics.Color)	4286667156 (0xFF815994)
YUV	107.6860, 19.8748, 18.6924
Hunter-Lab	37.3497, 20.4945, -21.0912

Details

The Yxy color **13.9500, 0.2913, 0.2262** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.0885, 0.3261, 0.4402**, and the grayscale version is **14.8463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0877, 0.2979, 0.2491**, and **4.1387, 0.2779, 0.1877** is the 20% darker color. If you saturate the color by 10%, you get **11.3642, 0.2839, 0.1999**, and if you desaturate by 10%, it is **17.0496, 0.2979, 0.2531**.

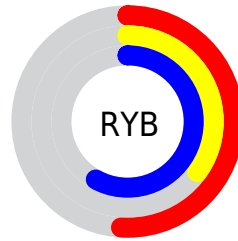
Distribution



Red (51%)

Green (35%)

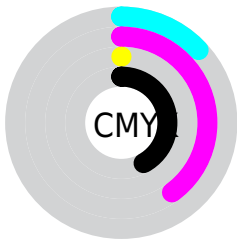
Blue (58%)



Red (51%)

Yellow (35%)

Blue (58%)

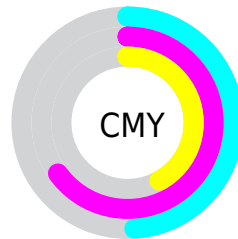


Cyan (13%)

Magenta (40%)

Yellow (0%)

Black (42%)



Cyan (49%)


Magenta (65%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9500, 0.2913, 0.2262 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 13.9500, 0.2913, 0.2262 by changing the saturation by 10% instead.


 13.9500, 0.2913,
0.2262


 13.9500, 0.2913,
0.2262


216.9196, 0.3053,
0.2833


 8.0859, 0.2862,
0.2100


 33.0003, 0.2974,
0.2484


 4.1500, 0.2785,
0.1879


 46.9553, 0.2994,
0.2563


 1.7578, 0.2657,
0.1568

 64.3760, 0.3009,
0.2628

 0.4607, 0.2448,
0.0987

 85.6468, 0.3021,
0.2683

 0.0000, 0.0506,
0.0000

 111.1522, 0.3031,
0.2729

 0.0000, 0.0000,
0.0000

141.2765, 0.3040,

0.2769

176.4042, 0.3047,
0.2803

■ 13.9500, 0.2913,
0.2262

■ 13.9500, 0.2913,
0.2262

■ 11.3642, 0.2839,
0.1999

■ 17.0496, 0.2979,
0.2531

■ 9.2605, 0.2760,
0.1751

■ 20.6888, 0.3037,
0.2797

■ 7.6060, 0.2675,
0.1531


■ 24.8938, 0.3086,
0.3053

■ 6.3631, 0.2590,
0.1349


■ 29.6885, 0.3128,
0.3294

■ 5.4880, 0.2505,
0.1211

■ 35.0956, 0.3162,
0.3518


 4.8691, 0.2423,
0.1109

 41.1362, 0.3191,
0.3723

 4.8596, 0.2422,
0.1108

 47.8307, 0.3214,
0.3911

 55.1984, 0.3232,
0.4080

 63.2581, 0.3247,
0.4233

Harmonies

Analogous

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



13.9500, 0.2260, 0.2101



13.9500, 0.2913, 0.2262



13.9500, 0.3724, 0.2627

Triad

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



13.9500, 0.2913, 0.2262



13.9500, 0.4487, 0.4273



13.9500, 0.1965, 0.3254

Complementary

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



13.9500, 0.2913, 0.2262



25.0885, 0.3261, 0.4402

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.



13.9500, 0.2461, 0.4107



13.9500, 0.2913, 0.2262



13.9500, 0.3917, 0.4687

Square

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



13.9500, 0.2913, 0.2262



13.9500, 0.4698, 0.3708



13.9500, 0.3175, 0.4684



13.9500, 0.1772, 0.2562

Rectangle

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



13.9500, 0.2913, 0.2262



13.9500, 0.4221, 0.2955



13.9500, 0.3175, 0.4684



13.9500, 0.2098, 0.3537

Sweetspot

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



13.9506, 0.2913, 0.2262



42.0597, 0.3075, 0.2992



15.1319, 0.2476, 0.2514



9.4012, 0.3069, 0.2963



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



13.9506, 0.2913, 0.2262



20.4235, 0.2846, 0.2021



15.2834, 0.3306, 0.2479



5.8163, 0.3089, 0.3068



4.1668, 0.2426, 0.1110



0.0669, 0.2804, 0.1319

Inverse Universe

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



14.5277, 0.3770, 0.2962



21.7051, 0.3996, 0.2889



24.1984, 0.2990, 0.4268



5.8444, 0.3235, 0.3219



5.5629, 0.5620, 0.2870



0.0730, 0.4558, 0.2284

Previews

White Background



This preview shows how the Yxy color 13.9500, 0.2913, 0.2262 looks on a white background.

Color Contrast Check

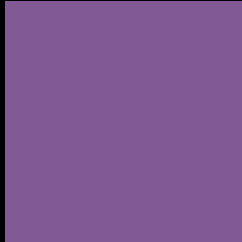
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9500, 0.2913, 0.2262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

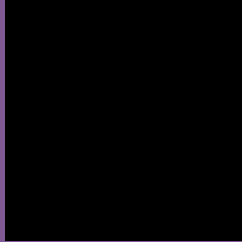
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9500, 0.2913, 0.2262

Background



This preview shows how black text looks on a background with the Yxy color 13.9500, 0.2913, 0.2262.



This preview shows how white text looks on a background with the Yxy color 13.9500, 0.2913, 0.2262.

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

13.9500, 0.2913, 0.2262

Protanopia

14.1350, 0.2331, 0.2218

Deuteranopia

13.9690, 0.2506, 0.2452



Tritanopia

13.9869, 0.3389, 0.3132

Trichromacy



Original Color

13.9500, 0.2913, 0.2262

Protanomaly

13.8686, 0.2509, 0.2223

Deuteranomaly

13.8139, 0.2641, 0.2372

Tritanomaly

13.9249, 0.3209, 0.2793

Monochromacy



Original Color

13.9500, 0.2913, 0.2262

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.4504, 0.3050, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9500, 0.2913, 0.2262 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(129, 89, 148)` looks like.

```
.text, #text, p{  
    color:rgb(129, 89, 148)  
}
```

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(129, 89, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 89, 148) }
```

Border

The CSS property to change the border of an element to Yxy 13.9500, 0.2913, 0.2262 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(129, 89, 148) }
```

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

```
.border{ border-color:rgb(129, 89, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 89, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 89, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 89, 148);  
box-shadow:4px 4px 4px 4px rgb(129, 89,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9500, 0.2913, 0.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 89, 148) }
```

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

```
.background{ background-color: rgb(129, 89,  
148) }
```

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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