

Converting Colors

$Y_{xy}(13.7349, 0.3089, 0.2286)$

Have a look what the booklet for
Yxy(13.7349, 0.3089, 0.2286)
contains.

Yxy(13.6422, 0.3088, 0.2284)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.6422, 0.3088, 0.2284)

Conversions

Conversions Part 1

Format	Color
Hex	89548F
RGB	137, 84, 143
RGB Percent	54%, 33%, 56%
CMY	0.4627, 0.6706, 0.4393
CMYK	0.04, 0.41, 0.00, 0.44
HSL	294°, 26%, 45%
HSV	294°, 41%, 56%
XYZ	18.4444, 13.6422, 27.6428
YIQ	106.5730, 12.6490, 29.5850

Conversions

Conversions Part 2

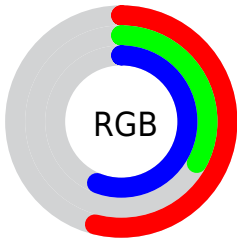
Format	Color
R_{YB}	137, 84, 143
Decimal	9000079
CIE _{Lab}	43.72, 32.08, -23.68
CIE _{LCh}	44, 39.876, 323.566
Yxy	13.6422, 0.3088, 0.2284
Android (android.graphics.Color)	4287190159 (0xFF89548F)
YUV	106.5730, 17.9585, 26.6845
Hunter-Lab	36.9353, 24.5009, -18.5185

Details

The Yxy color **13.6422, 0.3088, 0.2284** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.4546, 0.3128, 0.4492**, and the grayscale version is **14.5262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4355, 0.3103, 0.2502**, and **4.0129, 0.3051, 0.1913** is the 20% darker color. If you saturate the color by 10%, you get **11.5233, 0.3071, 0.2057**, and if you desaturate by 10%, it is **16.2171, 0.3102, 0.2526**.

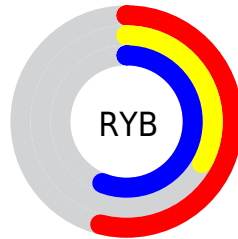
Distribution



Red (54%)

Green (33%)

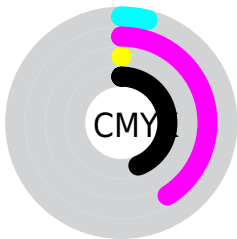
Blue (56%)



Red (54%)

Yellow (33%)

Blue (56%)

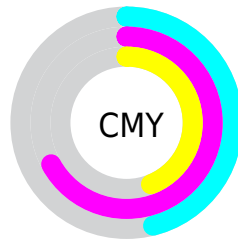


Cyan (4%)

Magenta (41%)

Yellow (0%)

Black (44%)



Cyan (46%)


Magenta (67%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6422, 0.3088, 0.2284 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 13.6422, 0.3088, 0.2284 by changing the saturation by 10% instead.


 13.6422, 0.3088,
0.2284


 13.6422, 0.3088,
0.2284


214.9934, 0.3127,
0.2844


 7.8722, 0.3068,
0.2124


 32.4528, 0.3109,
0.2502


 4.0133, 0.3034,
0.1906


 46.2622, 0.3114,
0.2580


 1.6810, 0.2968,
0.1597

 63.5203, 0.3118,
0.2643

 0.4113, 0.2875,
0.0970

 84.6113, 0.3121,
0.2697

 0.0000, 0.1195,
0.0000

 109.9198, 0.3123,
0.2742

 0.0000, 0.0000,
0.0000

139.8300, 0.3124,

0.2781

174.7264, 0.3126,
0.2814

■ 13.6422, 0.3088,
0.2284

■ 13.6422, 0.3088,
0.2284

■ 11.5233, 0.3071,
0.2057

■ 16.2171, 0.3102,
0.2526

■ 9.8308, 0.3052,
0.1853

■ 19.2716, 0.3113,
0.2775

■ 8.5345, 0.3030,
0.1682

■ 22.8298, 0.3121,
0.3022

■ 7.5994, 0.3007,
0.1551

■ 26.9137, 0.3127,
0.3261

■ 6.9845, 0.2982,
0.1460

■ 31.5441, 0.3130,
0.3488

6.6095, 0.2960,
0.1404

36.7404, 0.3132,
0.3701

42.5212, 0.3133,
0.3898

48.9043, 0.3133,
0.4078

55.9068, 0.3131,
0.4243

Harmonies

Analogous

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



13.6422, 0.2348, 0.2063



13.6422, 0.3088, 0.2284



13.6422, 0.3950, 0.2705

Triad

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



13.6422, 0.3088, 0.2284



13.6422, 0.4440, 0.4436



13.6422, 0.1832, 0.3051

Complementary

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



13.6422, 0.3088, 0.2284



22.4546, 0.3128, 0.4492

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.



13.6422, 0.2276, 0.3955



13.6422, 0.3088, 0.2284



13.6422, 0.3778, 0.4815

Square

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



13.6422, 0.3088, 0.2284



13.6422, 0.4773, 0.3857



13.6422, 0.2987, 0.4685



13.6422, 0.1707, 0.2399

Rectangle

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



13.6422, 0.3088, 0.2284



13.6422, 0.4433, 0.3062



13.6422, 0.2987, 0.4685



13.6422, 0.1944, 0.3338

Sweetspot

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



13.6428, 0.3088, 0.2284



40.2112, 0.3120, 0.2997



11.3304, 0.2411, 0.2213



9.0480, 0.3119, 0.2969



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



13.6428, 0.3088, 0.2284



20.7063, 0.3072, 0.2061



13.5451, 0.3511, 0.2655



5.4836, 0.3122, 0.3072



5.8503, 0.2961, 0.1405



0.0611, 0.3092, 0.1477

Inverse Universe

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



12.9178, 0.4029, 0.3185



19.2694, 0.4371, 0.3163



22.5798, 0.2877, 0.4032



5.4324, 0.3266, 0.3268



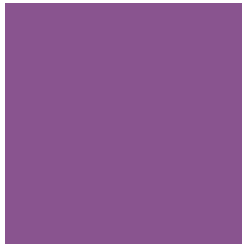
5.1943, 0.6244, 0.3214



0.0511, 0.5620, 0.2870

Previews

White Background



This preview shows how the Yxy color 13.6422, 0.3088, 0.2284 looks on a white background.

Color Contrast Check

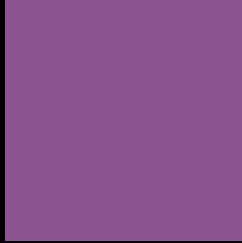
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6422, 0.3088, 0.2284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

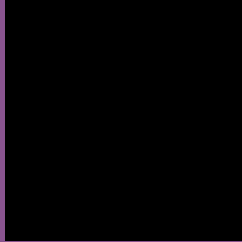
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6422, 0.3088, 0.2284

Background



This preview shows how black text looks on a background with the Yxy color 13.6422, 0.3088, 0.2284.



This preview shows how white text looks on a background with the Yxy color 13.6422, 0.3088, 0.2284.

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

13.6422, 0.3088, 0.2284

Protanopia

13.8219, 0.2333, 0.2225

Deuteranopia

13.7759, 0.2582, 0.2523



Tritanopia

13.5741, 0.3622, 0.3156

Trichromacy



Original Color

13.6422, 0.3088, 0.2284

Protanomaly

13.3350, 0.2552, 0.2217

Deuteranomaly

13.4225, 0.2751, 0.2408

Tritanomaly

13.5598, 0.3411, 0.2807

Monochromacy



Original Color

13.6422, 0.3088, 0.2284

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.1313, 0.3118, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6422, 0.3088, 0.2284 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(137, 84, 143)` looks like.

```
.text, #text, p{  
    color:rgb(137, 84, 143)  
}
```

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(137, 84, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 84, 143) }
```

Border

The CSS property to change the border of an element to Yxy 13.6422, 0.3088, 0.2284 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(137, 84, 143) }
```

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

```
.border{ border-color:rgb(137, 84, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 84, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 84, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 84, 143); box-shadow:4px 4px 4px 4px rgb(137, 84, 143) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6422, 0.3088, 0.2284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 84, 143) }
```

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

```
.background{ background-color: rgb(137, 84,  
143) }
```

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