

Converting Colors

$Y_{xy}(12.8997, 0.3616, 0.2867)$

Have a look what the booklet for
Yxy(12.8997, 0.3616, 0.2867)
contains.

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Color

Yxy(12.8981, 0.3617, 0.2867)

Conversions

Conversions Part 1

Format	Color
Hex	89556C
RGB	137, 85, 108
RGB Percent	54%, 33%, 42%
CMY	0.4627, 0.6667, 0.5765
CMYK	0.00, 0.38, 0.21, 0.46
HSL	333°, 23%, 44%
HSV	333°, 38%, 54%
XYZ	16.2722, 12.8981, 15.8178
YIQ	103.1700, 23.6090, 18.1770

Conversions

Conversions Part 2

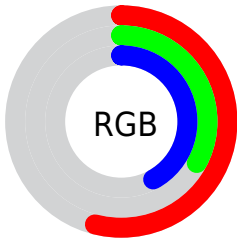
Format	Color
R_{YB}	137, 85, 108
Decimal	9000300
CIE _{Lab}	42.61, 25.01, -4.09
CIE _{LCh}	43, 25.340, 350.718
Yxy	12.8981, 0.3617, 0.2867
Android (android.graphics.Color)	4287190380 (0xFF89556C)
YUV	103.1700, 2.3812, 29.6689
Hunter-Lab	35.9139, 18.0270, -0.9738

Details

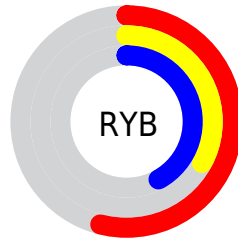
The Yxy color **12.8981, 0.3617, 0.2867** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.0394, 0.2813, 0.3762**, and the grayscale version is **13.6001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1879, 0.3493, 0.2981**, and **3.7016, 0.3860, 0.2659** is the 20% darker color. If you saturate the color by 10%, you get **10.7907, 0.3809, 0.2757**, and if you desaturate by 10%, it is **15.4387, 0.3454, 0.2982**.

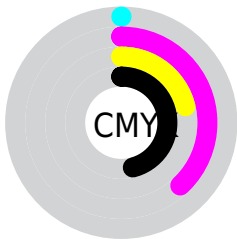
Distribution



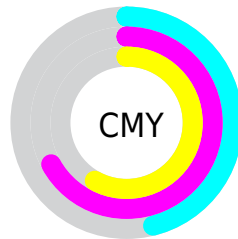
- Red (54%)
- Green (33%)
- Blue (42%)



- Red (54%)
- Yellow (33%)
- Blue (42%)



- Cyan (0%)
- Magenta (38%)
- Yellow (21%)
- Black (46%)





- Cyan (46%)
- Magenta (67%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8981, 0.3617, 0.2867 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 12.8981, 0.3617, 0.2867 by changing the saturation by 10% instead.


 12.8981, 0.3617,
0.2867


 12.8981, 0.3617,
0.2867


210.2636, 0.3324,
0.3117


 7.3584, 0.3714,
0.2786


 31.1206, 0.3495,
0.2970


 3.6872, 0.3859,
0.2668

 44.5722, 0.3454,
0.3005


 1.5002, 0.4097,
0.2477

 61.4299, 0.3422,
0.3033

 0.2889, 0.4991,
0.1627

 82.0781, 0.3395,
0.3056

 0.0000, 0.0000,
0.0000

 106.9011, 0.3373,
0.3075

136.2835, 0.3354,

0.3091

170.6095, 0.3338,
0.3105

■ 12.8981, 0.3617,
0.2867

■ 12.8981, 0.3617,
0.2867

■ 10.7907, 0.3809,
0.2757

■ 15.4387, 0.3454,
0.2982

■ 9.0900, 0.4030,
0.2659

■ 18.4334, 0.3317,
0.3096

■ 7.7697, 0.4277,
0.2585


■ 21.9036, 0.3204,
0.3207

■ 6.7993, 0.4545,
0.2545


■ 25.8692, 0.3109,
0.3311


■ 6.1438, 0.4820,
0.2551

■ 30.3486, 0.3031,
0.3408

 5.7289, 0.5091,
0.2599

 35.3596, 0.2967,
0.3497

 5.6512, 0.5147,
0.2609

 40.9189, 0.2913,
0.3580

 47.0425, 0.2869,
0.3655

 53.7458, 0.2832,
0.3724

Harmonies

Analogous

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



12.8981, 0.3063, 0.2575



12.8981, 0.3617, 0.2867



12.8981, 0.4054, 0.3260

Triad

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



12.8981, 0.3617, 0.2867



12.8981, 0.3643, 0.4271



12.8981, 0.2148, 0.2751

Complementary

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



12.8981, 0.3617, 0.2867



21.0394, 0.2813, 0.3762

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.



12.8981, 0.2272, 0.3213



12.8981, 0.3617, 0.2867



12.8981, 0.3115, 0.4177

Square

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



12.8981, 0.3617, 0.2867



12.8981, 0.4052, 0.4063



12.8981, 0.2616, 0.3763



12.8981, 0.2252, 0.2488

Rectangle

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



12.8981, 0.3617, 0.2867



12.8981, 0.4197, 0.3544



12.8981, 0.2616, 0.3763



12.8981, 0.2164, 0.2886

Sweetspot

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



12.8987, 0.3617, 0.2867



37.0844, 0.3239, 0.3171



11.8545, 0.2835, 0.2293



8.1562, 0.3251, 0.3159



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.



12.8987, 0.3617, 0.2867



19.6464, 0.3789, 0.2767



12.8890, 0.3996, 0.3341



5.0829, 0.3216, 0.3194



5.2660, 0.5140, 0.2605



0.0379, 0.4184, 0.2079

Inverse Universe

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



12.8987, 0.3617, 0.2867



19.6464, 0.3789, 0.2767



20.9001, 0.2609, 0.3237



5.0829, 0.3216, 0.3194



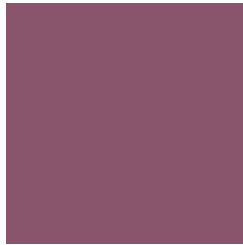
5.2660, 0.5140, 0.2605



0.0379, 0.4184, 0.2079

Previews

White Background



This preview shows how the Yxy color 12.8981, 0.3617, 0.2867 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 12.8981, 0.3617, 0.2867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

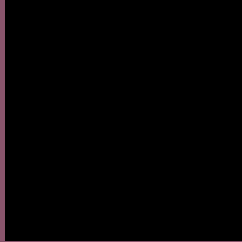
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8981, 0.3617, 0.2867

Background



This preview shows how black text looks on a background with the Yxy color 12.8981, 0.3617, 0.2867.



This preview shows how white text looks on a background with the Yxy color 12.8981, 0.3617, 0.2867.

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

12.8981, 0.3617, 0.2867

Protanopia

13.0190, 0.2868, 0.2902

Deuteranopia

13.0272, 0.3180, 0.3120



Tritanopia

13.0218, 0.3824, 0.3179

Trichromacy



Original Color

12.8981, 0.3617, 0.2867

Protanomaly

12.8441, 0.3116, 0.2898

Deuteranomaly

12.8122, 0.3326, 0.3006

Tritanomaly

12.9515, 0.3744, 0.3066

Monochromacy



Original Color

12.8981, 0.3617, 0.2867

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.0305, 0.3288, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8981, 0.3617, 0.2867 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, 85, 108)` looks like.

```
.text, #text, p{  
  color:rgb(137, 85, 108)  
}
```

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, 85, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 85, 108) }
```

Border

The CSS property to change the border of an element to Yxy 12.8981, 0.3617, 0.2867 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, 85, 108) }
```

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

```
.border{ border-color:rgb(137, 85, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 85, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 85, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 85, 108);  
box-shadow:4px 4px 4px 4px rgb(137, 85,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8981, 0.3617, 0.2867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 85, 108) }
```

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

```
.background{ background-color: rgb(137, 85,  
108) }
```

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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