

Converting Colors

$Y_{xy}(13.8281, 0.3557, 0.2777)$

Have a look what the booklet for
Yxy(13.8281, 0.3557, 0.2777)
contains.

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Color

Yxy(13.8281, 0.3557, 0.2777)

Conversions

Conversions Part 1

Format	Color
Hex	8E5774
RGB	142, 87, 116
RGB Percent	56%, 34%, 45%
CMY	0.4432, 0.6587, 0.5451
CMYK	0.00, 0.39, 0.18, 0.44
HSL	328°, 24%, 45%
HSV	328°, 39%, 56%
XYZ	17.7121, 13.8281, 18.2549
YIQ	106.7510, 23.4710, 20.6790

Conversions

Conversions Part 2

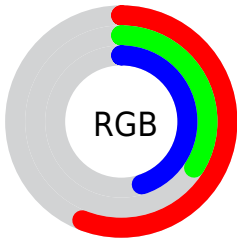
Format	Color
R_{YB}	142, 87, 116
Decimal	9328500
CIE _{Lab}	43.99, 27.04, -6.86
CIE _{LCh}	44, 27.892, 345.765
Yxy	13.8281, 0.3557, 0.2777
Android (android.graphics.Color)	4287518580 (0xFF8E5774)
YUV	106.7510, 4.5598, 30.9134
Hunter-Lab	37.1862, 19.9455, -3.0755

Details

The Yxy color **13.8281, 0.3557, 0.2777** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.5581, 0.2847, 0.3873**, and the grayscale version is **14.6132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8744, 0.3456, 0.2899**, and **4.1086, 0.3745, 0.2556** is the 20% darker color. If you saturate the color by 10%, you get **11.6003, 0.3719, 0.2647**, and if you desaturate by 10%, it is **16.5207, 0.3418, 0.2913**.

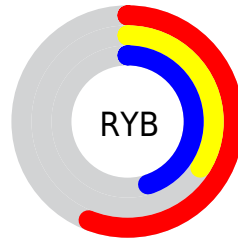
Distribution



Red (56%)

Green (34%)

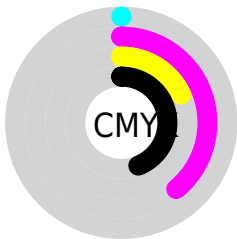
Blue (45%)



Red (56%)

Yellow (34%)

Blue (45%)

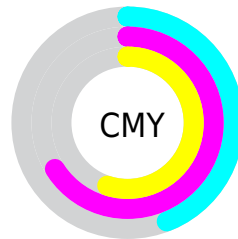


Cyan (0%)

Magenta (39%)

Yellow (18%)

Black (44%)



Cyan (44%)


Magenta (66%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8281, 0.3557, 0.2777 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 13.8281, 0.3557, 0.2777 by changing the saturation by 10% instead.


 13.8281, 0.3557,
0.2777

 13.8281, 0.3557,
0.2777


216.1588, 0.3304,
0.3075

 8.0012, 0.3638,
0.2685

 32.7837, 0.3454,
0.2897


 4.0957, 0.3755,
0.2552

 46.6812, 0.3419,
0.2938


 1.7272, 0.3942,
0.2346

 64.0377, 0.3390,
0.2972

 0.4412, 0.4403,
0.1762

 85.2376, 0.3367,
0.3000

 0.0000, 1.0000,
0.0000

 110.6652, 0.3348,
0.3023

 0.0000, 0.0000,
0.0000

140.7050, 0.3331,

0.3043

175.7414, 0.3317,
0.3060

■ 13.8281, 0.3557,
0.2777

■ 13.8281, 0.3557,
0.2777

■ 11.6003, 0.3719,
0.2647

■ 16.5207, 0.3418,
0.2913

■ 9.8085, 0.3903,
0.2532

■ 19.7008, 0.3300,
0.3049

■ 8.4236, 0.4107,
0.2441


■ 23.3920, 0.3200,
0.3181


■ 7.4123, 0.4326,
0.2388


■ 27.6157, 0.3117,
0.3306


■ 6.7357, 0.4550,
0.2380

■ 32.3923, 0.3048,
0.3423


 6.3061, 0.4773,
0.2415

 37.7408, 0.2991,
0.3531

 6.2544, 0.4803,
0.2419

 43.6796, 0.2943,
0.3631

 50.2260, 0.2904,
0.3723

 57.3968, 0.2871,
0.3807

Harmonies

Analogous

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



13.8281, 0.2960, 0.2491



13.8281, 0.3557, 0.2777



13.8281, 0.4065, 0.3180

Triad

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



13.8281, 0.3557, 0.2777



13.8281, 0.3761, 0.4326



13.8281, 0.2087, 0.2777

Complementary

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



13.8281, 0.3557, 0.2777



22.5581, 0.2847, 0.3873

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.



13.8281, 0.2258, 0.3300



13.8281, 0.3557, 0.2777



13.8281, 0.3206, 0.4293

Square

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



13.8281, 0.3557, 0.2777



13.8281, 0.4168, 0.4054



13.8281, 0.2657, 0.3893



13.8281, 0.2159, 0.2462

Rectangle

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



13.8281, 0.3557, 0.2777



13.8281, 0.4255, 0.3480



13.8281, 0.2657, 0.3893



13.8281, 0.2117, 0.2932

Sweetspot

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



13.8287, 0.3557, 0.2777



38.8539, 0.3233, 0.3135



12.2603, 0.2764, 0.2251



8.5169, 0.3244, 0.3120



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.



13.8287, 0.3557, 0.2777



21.0954, 0.3689, 0.2669



13.2868, 0.4013, 0.3259



5.4686, 0.3205, 0.3175



5.6214, 0.4794, 0.2415



0.0582, 0.3970, 0.1960

Inverse Universe

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



13.8287, 0.3557, 0.2777



21.0954, 0.3689, 0.2669



23.2634, 0.2621, 0.3323



5.4686, 0.3205, 0.3175



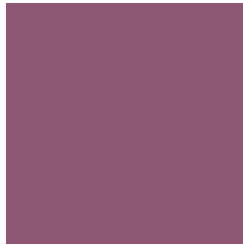
5.6214, 0.4794, 0.2415



0.0582, 0.3970, 0.1960

Previews

White Background



This preview shows how the Yxy color 13.8281, 0.3557, 0.2777 looks on a white background.

Color Contrast Check

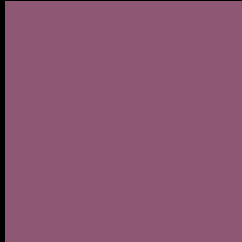
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8281, 0.3557, 0.2777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

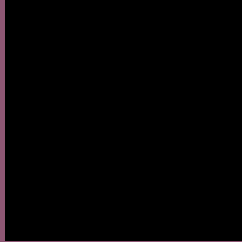
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8281, 0.3557, 0.2777

Background



This preview shows how black text looks on a background with the Yxy color 13.8281, 0.3557, 0.2777.



This preview shows how white text looks on a background with the Yxy color 13.8281, 0.3557, 0.2777.

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

13.8281, 0.3557, 0.2777

Protanopia

13.8855, 0.2780, 0.2791

Deuteranopia

13.8146, 0.3096, 0.3041



Tritanopia

13.7508, 0.3826, 0.3164

Trichromacy



Original Color

13.8281, 0.3557, 0.2777

Protanomaly

13.6243, 0.3037, 0.2773

Deuteranomaly

13.7182, 0.3263, 0.2936

Tritanomaly

13.8070, 0.3730, 0.3020

Monochromacy



Original Color

13.8281, 0.3557, 0.2777

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.2332, 0.3283, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8281, 0.3557, 0.2777 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(142, 87, 116)` looks like.

```
.text, #text, p{  
    color:rgb(142, 87, 116)  
}
```

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(142, 87, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 87, 116) }
```

Border

The CSS property to change the border of an element to Yxy 13.8281, 0.3557, 0.2777 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(142, 87, 116) }
```

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

```
.border{ border-color:rgb(142, 87, 116) }
```

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

Here you see how a box with a 4 pixel rgb(142, 87, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 87, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 87, 116);  
box-shadow:4px 4px 4px 4px rgb(142, 87,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8281, 0.3557, 0.2777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 87, 116) }
```

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

```
.background{ background-color: rgb(142, 87,  
116) }
```

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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