

Converting Colors

$Y_{xy}(12.6185, 0.3555, 0.2808)$

Have a look what the booklet for
Yxy(12.6185, 0.3555, 0.2808)
contains.

Yxy(12.6173, 0.3555, 0.2808)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.6173, 0.3555, 0.2808)

Conversions

Conversions Part 1

Format	Color
Hex	87546E
RGB	135, 84, 110
RGB Percent	53%, 33%, 43%
CMY	0.4707, 0.6705, 0.5687
CMYK	0.00, 0.38, 0.19, 0.47
HSL	329°, 23%, 43%
HSV	329°, 38%, 53%
XYZ	15.9738, 12.6173, 16.3423
YIQ	102.2130, 22.0500, 18.8980

Conversions

Conversions Part 2

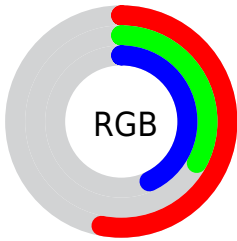
Format	Color
R_{YB}	135, 84, 110
Decimal	8868974
CIE _{Lab}	42.18, 25.15, -5.98
CIE _{LCh}	42, 25.847, 346.633
Yxy	12.6173, 0.3555, 0.2808
Android (android.graphics.Color)	4287059054 (0xFF87546E)
YUV	102.2130, 3.8390, 28.7542
Hunter-Lab	35.5208, 18.1105, -2.4133

Details

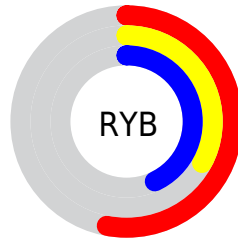
The Yxy color **12.6173, 0.3555, 0.2808** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.3128, 0.2846, 0.3833**, and the grayscale version is **13.3314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4776, 0.3442, 0.2912**, and **3.5558, 0.3783, 0.2593** is the 20% darker color. If you saturate the color by 10%, you get **10.5814, 0.3720, 0.2682**, and if you desaturate by 10%, it is **15.0690, 0.3414, 0.2940**.

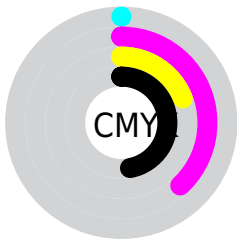
Distribution



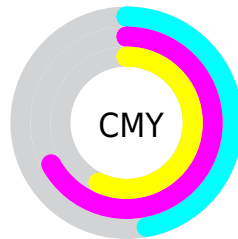
- Red (53%)
- Green (33%)
- Blue (43%)



- Red (53%)
- Yellow (33%)
- Blue (43%)



- Cyan (0%)
- Magenta (38%)
- Yellow (19%)
- Black (47%)





- Cyan (47%)
- Magenta (67%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6173, 0.3555, 0.2808 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 12.6173, 0.3555, 0.2808 by changing the saturation by 10% instead.


 12.6173, 0.3555,
0.2808


 12.6173, 0.3555,
0.2808


208.4502, 0.3300,
0.3092


 7.1656, 0.3639,
0.2717


 30.6145, 0.3449,
0.2924


 3.5659, 0.3763,
0.2585

 43.9288, 0.3414,
0.2964


 1.4338, 0.3967,
0.2373

 60.6326, 0.3385,
0.2995

 0.2414, 0.4777,
0.1368

 81.1105, 0.3362,
0.3022

 0.0000, 0.0000,
0.0000

 105.7469, 0.3343,
0.3043

134.9260, 0.3326,

0.3062

169.0323, 0.3312,
0.3078

■ 12.6173, 0.3555,
0.2808

■ 12.6173, 0.3555,
0.2808

■ 10.5814, 0.3720,
0.2682

■ 15.0690, 0.3414,
0.2940

■ 8.9359, 0.3909,
0.2568

■ 17.9565, 0.3294,
0.3070

■ 7.6557, 0.4119,
0.2479


■ 21.3003, 0.3193,
0.3197


■ 6.7116, 0.4345,
0.2423


■ 25.1193, 0.3110,
0.3316


■ 6.0700, 0.4579,
0.2413


■ 29.4315, 0.3040,
0.3428

 5.6608, 0.4812,
0.2446

 34.2535, 0.2982,
0.3531

 5.5765, 0.4866,
0.2454

 39.6016, 0.2934,
0.3627

 45.4911, 0.2894,
0.3714

 51.9366, 0.2861,
0.3795

Harmonies

Analogous

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



12.6173, 0.2984, 0.2528



12.6173, 0.3555, 0.2808



12.6173, 0.4033, 0.3199

Triad

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



12.6173, 0.3555, 0.2808



12.6173, 0.3723, 0.4285



12.6173, 0.2127, 0.2789

Complementary

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



12.6173, 0.3555, 0.2808



20.3128, 0.2846, 0.3833

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.



12.6173, 0.2286, 0.3285



12.6173, 0.3555, 0.2808



12.6173, 0.3189, 0.4238

Square

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



12.6173, 0.3555, 0.2808



12.6173, 0.4116, 0.4035



12.6173, 0.2665, 0.3849



12.6173, 0.2202, 0.2491

Rectangle

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



12.6173, 0.3555, 0.2808



12.6173, 0.4209, 0.3489



12.6173, 0.2665, 0.3849



12.6173, 0.2154, 0.2936

Sweetspot

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



12.6179, 0.3555, 0.2808



35.9716, 0.3226, 0.3153



11.3206, 0.2789, 0.2287



8.1683, 0.3238, 0.3139



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.



12.6179, 0.3555, 0.2808



19.5414, 0.3689, 0.2703



12.1460, 0.3991, 0.3276



4.7254, 0.3206, 0.3180



5.1464, 0.4859, 0.2450



0.0193, 0.4011, 0.1983

Inverse Universe

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



12.6179, 0.3555, 0.2808



19.5414, 0.3689, 0.2703



20.9334, 0.2626, 0.3305



4.7254, 0.3206, 0.3180



5.1464, 0.4859, 0.2450



0.0193, 0.4011, 0.1983

Previews

White Background



This preview shows how the Yxy color 12.6173, 0.3555, 0.2808 looks on a white background.

Color Contrast Check

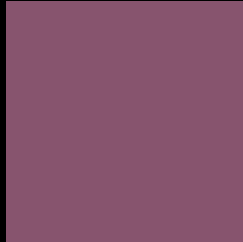
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6173, 0.3555, 0.2808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

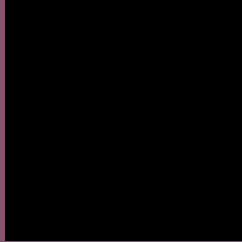
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.6173, 0.3555, 0.2808

Background



This preview shows how black text looks on a background with the Yxy color 12.6173, 0.3555, 0.2808.



This preview shows how white text looks on a background with the Yxy color 12.6173, 0.3555, 0.2808.

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

12.6173, 0.3555, 0.2808

Protanopia

12.7665, 0.2816, 0.2837

Deuteranopia

12.6963, 0.3109, 0.3054



Tritanopia

12.6111, 0.3781, 0.3157

Trichromacy



Original Color

12.6173, 0.3555, 0.2808

Protanomaly

12.5814, 0.3060, 0.2833

Deuteranomaly

12.5403, 0.3267, 0.2942

Tritanomaly

12.6440, 0.3700, 0.3026

Monochromacy



Original Color

12.6173, 0.3555, 0.2808

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.7817, 0.3274, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6173, 0.3555, 0.2808 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(135, 84, 110)` looks like.

```
.text, #text, p{  
    color:rgb(135, 84, 110)  
}
```

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(135, 84, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 84, 110) }
```

Border

The CSS property to change the border of an element to Yxy 12.6173, 0.3555, 0.2808 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(135, 84, 110) }
```

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

```
.border{ border-color:rgb(135, 84, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 84, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 84, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 84, 110);  
box-shadow:4px 4px 4px 4px rgb(135, 84,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6173, 0.3555, 0.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 84, 110) }
```

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

```
.background{ background-color: rgb(135, 84,  
110) }
```

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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