

Converting Colors

$Y_{xy}(12.6758, 0.3566, 0.3061)$

Have a look what the booklet for
Yxy(12.6758, 0.3566, 0.3061)
contains.

Yxy(12.6735, 0.3574, 0.3056)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.6735, 0.3574, 0.3056)

Conversions

Conversions Part 1

Format	Color
Hex	805965
RGB	128, 89, 101
RGB Percent	50%, 35%, 40%
CMY	0.4981, 0.6509, 0.6039
CMYK	0.00, 0.30, 0.21, 0.50
HSL	342°, 18%, 43%
HSV	342°, 30%, 50%
XYZ	14.8217, 12.6735, 13.9757
YIQ	102.0290, 19.3920, 12.0000

Conversions

Conversions Part 2

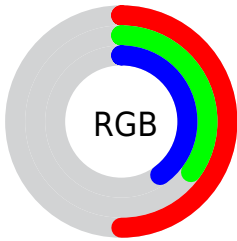
Format	Color
R_{YB}	128, 89, 101
Decimal	8411493
CIE _{Lab}	42.27, 17.98, -0.43
CIE _{LCh}	42, 17.980, 358.642
Yxy	12.6735, 0.3574, 0.3056
Android (android.graphics.Color)	4286601573 (0xFF805965)
YUV	102.0290, -0.5073, 22.7766
Hunter-Lab	35.5999, 12.0172, 1.6440

Details

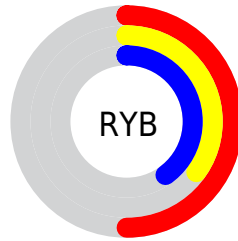
The Yxy color **12.6735, 0.3574, 0.3056** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.8202, 0.2819, 0.3539**, and the grayscale version is **13.2927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6773, 0.3464, 0.3108**, and **3.6138, 0.3821, 0.2956** is the 20% darker color. If you saturate the color by 10%, you get **10.5612, 0.3787, 0.2976**, and if you desaturate by 10%, it is **15.1761, 0.3397, 0.3136**.

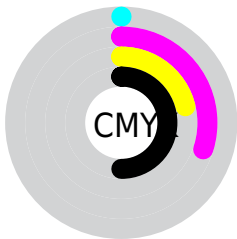
Distribution



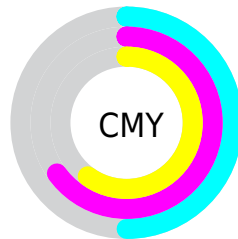
- Red (50%)
- Green (35%)
- Blue (40%)



- Red (50%)
- Yellow (35%)
- Blue (40%)



- Cyan (0%)
- Magenta (30%)
- Yellow (21%)
- Black (50%)



- Cyan (50%)
- Magenta (65%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6735, 0.3574, 0.3056 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 12.6735, 0.3574, 0.3056 by changing the saturation by 10% instead.

 12.6735, 0.3574,
0.3056

 12.6735, 0.3574,
0.3056


208.8144, 0.3303,
0.3198

 7.2041, 0.3666,
0.3008


 30.7160, 0.3460,
0.3115

 3.5901, 0.3806,
0.2936

 44.0578, 0.3422,
0.3135


 1.4470, 0.4041,
0.2814

 60.7926, 0.3392,
0.3151

 0.2510, 0.5501,
0.2038

 81.3047, 0.3368,
0.3164

 0.0000, 0.0000,
0.0000

 105.9786, 0.3348,
0.3174

135.1985, 0.3330,

0.3183

169.3490, 0.3316,
0.3191

■ 12.6735, 0.3574,
0.3056

■ 12.6735, 0.3574,
0.3056

■ 10.5612, 0.3787,
0.2976

■ 15.1761, 0.3397,
0.3136

■ 8.8178, 0.4039,
0.2902

■ 18.0855, 0.3252,
0.3214

■ 7.4221, 0.4332,
0.2841

■ 21.4196, 0.3132,
0.3287

■ 6.3506, 0.4659,
0.2802

■ 25.1945, 0.3034,
0.3355

■ 5.5764, 0.5006,
0.2797

■ 29.4257, 0.2953,
0.3417

■ 5.0683, 0.5348,
0.2834

■ 34.1276, 0.2886,
0.3475

■ 4.7370, 0.5659,
0.2891

■ 39.3142, 0.2831,
0.3527

■ 44.9989, 0.2785,
0.3575

■ 51.1945, 0.2747,
0.3619

Harmonies

Analogous

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



12.6735, 0.3192, 0.2811



12.6735, 0.3574, 0.3056



12.6735, 0.3838, 0.3364

Triad

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



12.6735, 0.3574, 0.3056



12.6735, 0.3413, 0.3987



12.6735, 0.2412, 0.2844

Complementary

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



12.6735, 0.3574, 0.3056



18.8202, 0.2819, 0.3539

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.



12.6735, 0.2463, 0.3148



12.6735, 0.3574, 0.3056



12.6735, 0.3027, 0.3848

Square

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



12.6735, 0.3574, 0.3056



12.6735, 0.3735, 0.3909



12.6735, 0.2682, 0.3526



12.6735, 0.2535, 0.2681

Rectangle

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



12.6735, 0.3574, 0.3056



12.6735, 0.3902, 0.3574



12.6735, 0.2682, 0.3526



12.6735, 0.2409, 0.2932

Sweetspot

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



12.6741, 0.3574, 0.3056



32.5400, 0.3235, 0.3223



12.3932, 0.2981, 0.2526



7.4558, 0.3252, 0.3214



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



12.6741, 0.3574, 0.3056



19.5030, 0.3728, 0.2997



13.7038, 0.3733, 0.3433



4.3644, 0.3234, 0.3224



4.6984, 0.5658, 0.2890



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.6741, 0.3574, 0.3056



19.5030, 0.3728, 0.2997



17.3186, 0.2691, 0.3141



4.3644, 0.3234, 0.3224



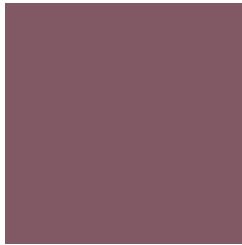
4.6984, 0.5658, 0.2890



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.6735, 0.3574, 0.3056 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 12.6735, 0.3574, 0.3056 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 12.6735, 0.3574, 0.3056

Background



This preview shows how black text looks on a background with the Yxy color 12.6735, 0.3574, 0.3056.



This preview shows how white text looks on a background with the Yxy color 12.6735, 0.3574, 0.3056.

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

12.6735, 0.3574, 0.3056

Protanopia

12.6945, 0.3034, 0.3113

Deuteranopia

12.7845, 0.3282, 0.3226



Tritanopia

12.6874, 0.3619, 0.3153

Trichromacy



Original Color

12.6735, 0.3574, 0.3056

Protanomaly

12.5193, 0.3213, 0.3077

Deuteranomaly

12.7074, 0.3398, 0.3166

Tritanomaly

12.7062, 0.3603, 0.3133

Monochromacy



Original Color

12.6735, 0.3574, 0.3056

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.8882, 0.3268, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6735, 0.3574, 0.3056 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(128, 89, 101)` looks like.

```
.text, #text, p{  
    color:rgb(128, 89, 101)  
}
```

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(128, 89, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 89, 101) }
```

Border

The CSS property to change the border of an element to Yxy 12.6735, 0.3574, 0.3056 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(128, 89, 101) }
```

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

```
.border{ border-color:rgb(128, 89, 101) }
```

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

Here you see how a box with a 4 pixel rgb(128, 89, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 89, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 89, 101);  
box-shadow:4px 4px 4px 4px rgb(128, 89,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6735, 0.3574, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 89, 101) }
```

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

```
.background{ background-color: rgb(128, 89,  
101) }
```

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