

Converting Colors

$Y_{xy}(12.8389, 0.4196, 0.3577)$

Have a look what the booklet for
Yxy(12.8389, 0.4196, 0.3577)
contains.

Yxy(12.7789, 0.4196, 0.3573)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.7789, 0.4196, 0.3573)

Conversions

Conversions Part 1

Format	Color
Hex	895849
RGB	137, 88, 73
RGB Percent	54%, 35%, 29%
CMY	0.4628, 0.6549, 0.7137
CMYK	0.00, 0.36, 0.47, 0.46
HSL	14°, 30%, 41%
HSV	14°, 47%, 54%
XYZ	15.0071, 12.7789, 7.9792
YIQ	100.9410, 34.0190, 5.7230

Conversions

Conversions Part 2

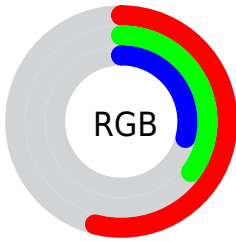
Format	Color
R_{YB}	137, 93, 73
Decimal	9001033
CIE _{Lab}	42.43, 18.40, 17.04
CIE _{LCh}	42, 25.080, 42.812
Yxy	12.7789, 0.4196, 0.3573
Android (android.graphics.Color)	4287191113 (0xFF895849)
YUV	100.9410, -13.7749, 31.6237
Hunter-Lab	35.7476, 12.3772, 11.7892

Details

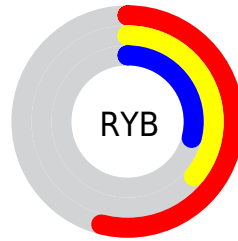
The Yxy color **12.7789, 0.4196, 0.3573** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.1353, 0.2470, 0.2976**, and the grayscale version is **13.0279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7886, 0.3917, 0.3512**, and **3.6295, 0.4729, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **11.0178, 0.4540, 0.3624**, and if you desaturate by 10%, it is **14.8289, 0.3894, 0.3513**.

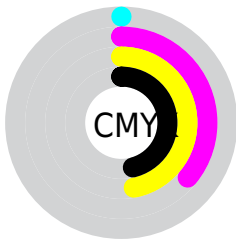
Distribution



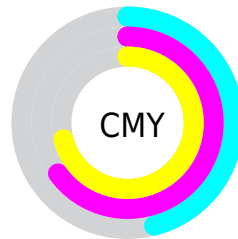
- Red (54%)
- Green (35%)
- Blue (29%)



- Red (54%)
- Yellow (36%)
- Blue (29%)



- Cyan (0%)
- Magenta (36%)
- Yellow (47%)
- Black (46%)





- Cyan (46%)
- Magenta (65%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7789, 0.4196, 0.3573 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 12.7789, 0.4196, 0.3573 by changing the saturation by 10% instead.


 12.7789, 0.4196,
0.3573


 12.7789, 0.4196,
0.3573


209.4958, 0.3544,
0.3424


 7.2765, 0.4415,
0.3606


 30.9060, 0.3922,
0.3520

 3.6356, 0.4741,
0.3637

 44.2994, 0.3831,
0.3499

 1.4719, 0.5448,
0.3767

 61.0920, 0.3759,
0.3482

 0.2688, 0.7239,
0.2761

 81.6682, 0.3700,
0.3467

 0.0000, 0.0000,
0.0000

 106.4122, 0.3651,
0.3454

135.7085, 0.3609,

0.3443

169.9416, 0.3574,
0.3433

■ 12.7789, 0.4196,
0.3573

■ 12.7789, 0.4196,
0.3573

■ 11.0178, 0.4540,
0.3624

■ 14.8289, 0.3894,
0.3513

■ 9.5305, 0.4917,
0.3659

■ 17.1783, 0.3635,
0.3450

■ 8.3035, 0.5305,
0.3666

■ 19.8392, 0.3416,
0.3387

■ 7.3210, 0.5669,
0.3639

■ 22.8227, 0.3233,
0.3328

■ 6.5638, 0.5974,
0.3579

■ 26.1390, 0.3080,
0.3272

■ 6.3574, 0.6070,
0.3562

■ 29.7982, 0.2951,
0.3221

■ 33.8097, 0.2843,
0.3175

■ 38.1828, 0.2752,
0.3132

■ 42.9261, 0.2675,
0.3093

Harmonies

Analogous

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



12.7789, 0.3955, 0.3151



12.7789, 0.4196, 0.3573



12.7789, 0.4116, 0.3970

Triad

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



12.7789, 0.4196, 0.3573



12.7789, 0.2740, 0.3891



12.7789, 0.2472, 0.2436

Complementary

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



12.7789, 0.4196, 0.3573



17.1353, 0.2470, 0.2976

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.



12.7789, 0.2209, 0.2542



12.7789, 0.4196, 0.3573



12.7789, 0.2349, 0.3357

Square

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



12.7789, 0.4196, 0.3573



12.7789, 0.3257, 0.4229



12.7789, 0.2165, 0.2859



12.7789, 0.2923, 0.2527

Rectangle

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



12.7789, 0.4196, 0.3573



12.7789, 0.3905, 0.4169



12.7789, 0.2165, 0.2859



12.7789, 0.2361, 0.2448

Sweetspot

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



12.7795, 0.4196, 0.3573



36.7656, 0.3369, 0.3373



11.4890, 0.3414, 0.2419



8.0290, 0.3406, 0.3384



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.



12.7795, 0.4196, 0.3573



19.5827, 0.4560, 0.3627



19.2125, 0.3920, 0.4133



5.2268, 0.3275, 0.3342



5.9396, 0.6065, 0.3566



0.0589, 0.5372, 0.4117

Inverse Universe

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



17.1353, 0.2470, 0.2976



28.3366, 0.2348, 0.2892



10.5454, 0.2345, 0.2263



5.4931, 0.2991, 0.3238



11.0859, 0.2038, 0.2536



0.0959, 0.2147, 0.2929

Previews

White Background



This preview shows how the Yxy color 12.7789, 0.4196, 0.3573 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 12.7789, 0.4196, 0.3573 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 12.7789, 0.4196, 0.3573

Background



This preview shows how black text looks on a background with the Yxy color 12.7789, 0.4196, 0.3573.



This preview shows how white text looks on a background with the Yxy color 12.7789, 0.4196, 0.3573.

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

12.7789, 0.4196, 0.3573

Protanopia

12.8047, 0.3531, 0.3758

Deuteranopia

12.8137, 0.3886, 0.3811



Tritanopia

12.7587, 0.3924, 0.3163

Trichromacy



Original Color

12.7789, 0.4196, 0.3573

Protanomaly

12.7531, 0.3761, 0.3692

Deuteranomaly

12.7322, 0.3992, 0.3713

Tritanomaly

12.7147, 0.4023, 0.3311

Monochromacy



Original Color

12.7789, 0.4196, 0.3573

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.6985, 0.3481, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7789, 0.4196, 0.3573 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, 88, 73)` looks like.

```
.text, #text, p{  
    color:rgb(137, 88, 73)  
}
```

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, 88, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 88, 73) }
```

Border

The CSS property to change the border of an element to Yxy 12.7789, 0.4196, 0.3573 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, 88, 73) }
```

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

```
.border{ border-color:rgb(137, 88, 73) }
```

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

Here you see how a box with a 4 pixel rgb(137, 88, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 88, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 88, 73);  
box-shadow:4px 4px 4px 4px rgb(137, 88,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7789, 0.4196, 0.3573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 88, 73) }
```

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

```
.background{ background-color: rgb(137, 88,  
73) }
```

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