

Converting Colors

$Y_{xy}(12.8492, 0.3163, 0.2952)$

Have a look what the booklet for
Yxy(12.8492, 0.3163, 0.2952)
contains.

Yxy(12.8428, 0.3173, 0.2959)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.8428, 0.3173, 0.2959)

Conversions

Conversions Part 1

Format	Color
Hex	715F6F
RGB	113, 95, 111
RGB Percent	44%, 37%, 44%
CMY	0.5568, 0.6274, 0.5648
CMYK	0.00, 0.16, 0.02, 0.56
HSL	307°, 9%, 41%
HSV	307°, 16%, 44%
XYZ	13.7716, 12.8428, 16.7881
YIQ	102.2060, 5.5920, 8.7920

Conversions

Conversions Part 2

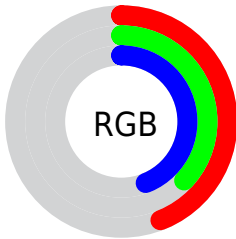
Format	Color
R_{YB}	113, 95, 111
Decimal	7429999
CIE _{Lab}	42.53, 10.35, -6.34
CIE _{LCh}	43, 12.137, 328.513
Yxy	12.8428, 0.3173, 0.2959
Android (android.graphics.Color)	4285620079 (0xFF715F6F)
YUV	102.2060, 4.3354, 9.4663
Hunter-Lab	35.8369, 5.8806, -2.6891

Details

The Yxy color **12.8428, 0.3173, 0.2959** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1086, 0.3084, 0.3645**, and the grayscale version is **13.3314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8945, 0.3160, 0.3027**, and **3.6793, 0.3200, 0.2820** is the 20% darker color. If you saturate the color by 10%, you get **10.9252, 0.3206, 0.2746**, and if you desaturate by 10%, it is **15.0573, 0.3143, 0.3169**.

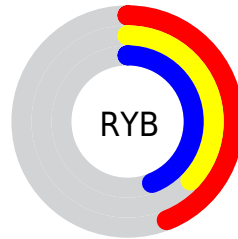
Distribution



Red (44%)

Green (37%)

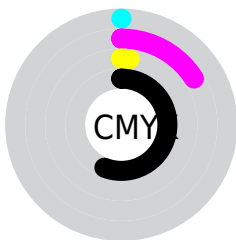
Blue (44%)



Red (44%)

Yellow (37%)

Blue (44%)

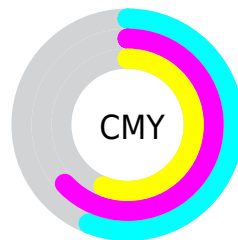


Cyan (0%)

Magenta (16%)

Yellow (2%)

Black (56%)



Cyan (56%)


Magenta (63%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8428, 0.3173, 0.2959 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 12.8428, 0.3173, 0.2959 by changing the saturation by 10% instead.


 12.8428, 0.3173,
0.2959


 12.8428, 0.3173,
0.2959


209.9077, 0.3147,
0.3156


 7.3204, 0.3181,
0.2895


 31.0211, 0.3163,
0.3040


 3.6633, 0.3191,
0.2801

 44.4457, 0.3159,
0.3067

 1.4870, 0.3206,
0.2647

 61.2733, 0.3156,
0.3089

 0.2796, 0.3354,
0.1809

 81.8880, 0.3154,
0.3107

 0.0000, 0.0000,
0.0000

106.6745, 0.3152,
0.3122

136.0170, 0.3150,

0.3135

170.2999, 0.3148,
0.3146

■ 12.8428, 0.3173,
0.2959

■ 12.8428, 0.3173,
0.2959

■ 10.9252, 0.3206,
0.2746

■ 15.0573, 0.3143,
0.3169

■ 9.2902, 0.3242,
0.2534

■ 17.5789, 0.3117,
0.3371

■ 7.9247, 0.3281,
0.2332

■ 20.4195, 0.3094,
0.3563

■ 6.8140, 0.3322,
0.2148

■ 23.5897, 0.3074,
0.3742

■ 5.9421, 0.3364,
0.1989

■ 27.0997, 0.3056,
0.3909

■ 5.2910, 0.3406,
0.1862

■ 30.9592, 0.3041,
0.4062

■ 4.8402, 0.3446,
0.1775

■ 35.1777, 0.3028,
0.4202

■ 4.5474, 0.3484,
0.1722

■ 39.7640, 0.3017,
0.4331

■ 4.4376, 0.3500,
0.1702

■ 44.7269, 0.3008,
0.4448

Harmonies

Analogous

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



12.8428, 0.2916, 0.2866



12.8428, 0.3173, 0.2959



12.8428, 0.3427, 0.3131

Triad

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



12.8428, 0.3173, 0.2959



12.8428, 0.3539, 0.3710



12.8428, 0.2674, 0.3203

Complementary

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



12.8428, 0.3173, 0.2959



15.1086, 0.3084, 0.3645

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.



12.8428, 0.2828, 0.3450



12.8428, 0.3173, 0.2959



12.8428, 0.3326, 0.3752

Square

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



12.8428, 0.3173, 0.2959



12.8428, 0.3643, 0.3558



12.8428, 0.3065, 0.3657



12.8428, 0.2637, 0.2994

Rectangle

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



12.8428, 0.3173, 0.2959



12.8428, 0.3556, 0.3273



12.8428, 0.3065, 0.3657



12.8428, 0.2714, 0.3284

Sweetspot

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



12.8434, 0.3173, 0.2959



27.2995, 0.3141, 0.3185



11.9077, 0.2910, 0.2891



6.2606, 0.3142, 0.3174



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.8434, 0.3173, 0.2959



21.7077, 0.3184, 0.2883



12.6593, 0.3300, 0.3138



3.4473, 0.3152, 0.3105



5.0313, 0.3502, 0.1703



24.9833, 0.3520, 0.1713

Inverse Universe

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



12.8434, 0.3173, 0.2959



21.7077, 0.3184, 0.2883



15.2816, 0.2981, 0.3447



3.4473, 0.3152, 0.3105



5.0313, 0.3502, 0.1703



24.9833, 0.3520, 0.1713

Previews

White Background



This preview shows how the Yxy color 12.8428, 0.3173, 0.2959 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 12.8428, 0.3173, 0.2959 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 12.8428, 0.3173, 0.2959

Background



This preview shows how black text looks on a background with the Yxy color 12.8428, 0.3173, 0.2959.



This preview shows how white text looks on a background with the Yxy color 12.8428, 0.3173, 0.2959.

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

12.8428, 0.3173, 0.2959

Protanopia

12.9259, 0.2917, 0.2985

Deuteranopia

12.9253, 0.3081, 0.3034



Tritanopia

12.8100, 0.3256, 0.3121

Trichromacy



Original Color

12.8428, 0.3173, 0.2959

Protanomaly

12.8112, 0.2998, 0.2968

Deuteranomaly

12.9264, 0.3125, 0.3016

Tritanomaly

12.8720, 0.3213, 0.3059

Monochromacy



Original Color

12.8428, 0.3173, 0.2959

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.0078, 0.3148, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8428, 0.3173, 0.2959 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(113, 95, 111)` looks like.

```
.text, #text, p{  
    color:rgb(113, 95, 111)  
}
```

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(113, 95, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 95, 111) }
```

Border

The CSS property to change the border of an element to Yxy 12.8428, 0.3173, 0.2959 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(113, 95, 111) }
```

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

```
.border{ border-color:rgb(113, 95, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 95, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 95, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 95, 111);  
box-shadow:4px 4px 4px 4px rgb(113, 95,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8428, 0.3173, 0.2959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 95, 111) }
```

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

```
.background{ background-color: rgb(113, 95,  
111) }
```

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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