

Converting Colors

$Y_{xy}(12.3953, 0.3315, 0.2963)$

Have a look what the booklet for
Yxy(12.3953, 0.3315, 0.2963)
contains.

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Color

Yxy(12.3953, 0.3315, 0.2963)

Conversions

Conversions Part 1

Format	Color
Hex	765B6B
RGB	118, 91, 107
RGB Percent	46%, 36%, 42%
CMY	0.5372, 0.6432, 0.5804
CMYK	0.00, 0.23, 0.09, 0.54
HSL	324°, 13%, 41%
HSV	324°, 23%, 46%
XYZ	13.8678, 12.3953, 15.5705
YIQ	100.8970, 10.9560, 10.7000

Conversions

Conversions Part 2

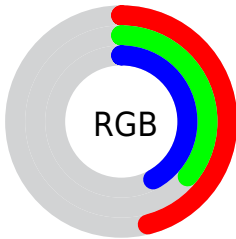
Format	Color
R_{YB}	118, 91, 107
Decimal	7756651
CIE Lab	41.84, 13.92, -4.87
CIE LCh	42, 14.751, 340.735
Yxy	12.3953, 0.3315, 0.2963
Android (android.graphics.Color)	4285946731 (0xFF765B6B)
YUV	100.8970, 3.0088, 14.9993
Hunter-Lab	35.2070, 8.6981, -1.5765

Details

The Yxy color **12.3953, 0.3315, 0.2963** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.1449, 0.2976, 0.3642**, and the grayscale version is **12.9765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0644, 0.3267, 0.3043**, and **3.4682, 0.3394, 0.2797** is the 20% darker color. If you saturate the color by 10%, you get **10.4358, 0.3422, 0.2814**, and if you desaturate by 10%, it is **14.6789, 0.3224, 0.3110**.

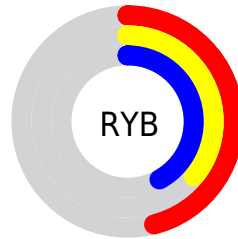
Distribution



Red (46%)

Green (36%)

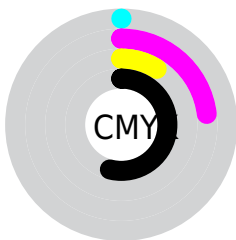
Blue (42%)



Red (46%)

Yellow (36%)

Blue (42%)

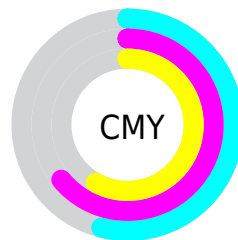


Cyan (0%)

Magenta (23%)

Yellow (9%)

Black (54%)



Cyan (54%)

Magenta (64%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3953, 0.3315, 0.2963 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 12.3953, 0.3315, 0.2963 by changing the saturation by 10% instead.


 12.3953, 0.3315,
0.2963


 12.3953, 0.3315,
0.2963


207.0050, 0.3203,
0.3158


 7.0135, 0.3352,
0.2899


 30.2130, 0.3268,
0.3044


 3.4705, 0.3408,
0.2804

 43.4178, 0.3253,
0.3071


 1.3820, 0.3499,
0.2648

 59.9989, 0.3240,
0.3093

 0.2034, 0.4107,
0.1567

 80.3409, 0.3230,
0.3110

 0.0000, 0.0000,
0.0000

 104.8281, 0.3221,
0.3125

133.8449, 0.3214,

0.3138

167.7758, 0.3208,
0.3149

■ 12.3953, 0.3315,
0.2963

■ 12.3953, 0.3315,
0.2963

■ 10.4358, 0.3422,
0.2814

■ 14.6789, 0.3224,
0.3110

■ 8.7840, 0.3545,
0.2666

■ 17.2988, 0.3147,
0.3251

■ 7.4241, 0.3686,
0.2528

■ 20.2688, 0.3082,
0.3384

■ 6.3388, 0.3844,
0.2408

■ 23.6012, 0.3028,
0.3508

■ 5.5086, 0.4014,
0.2316

■ 27.3078, 0.2983,
0.3623

■ 4.9114, 0.4194,
0.2262

■ 31.3999, 0.2945,
0.3729

■ 4.5199, 0.4375,
0.2253

■ 35.8882, 0.2913,
0.3827

■ 4.2936, 0.4509,
0.2257

■ 40.7831, 0.2887,
0.3917

■ 46.0946, 0.2865,
0.3999

Harmonies

Analogous

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



12.3953, 0.2989, 0.2807



12.3953, 0.3315, 0.2963



12.3953, 0.3601, 0.3198

Triad

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



12.3953, 0.3315, 0.2963



12.3953, 0.3537, 0.3847



12.3953, 0.2538, 0.3064

Complementary

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



12.3953, 0.3315, 0.2963



16.1449, 0.2976, 0.3642

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.



12.3953, 0.2669, 0.3361



12.3953, 0.3315, 0.2963



12.3953, 0.3240, 0.3836

Square

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



12.3953, 0.3315, 0.2963



12.3953, 0.3730, 0.3703



12.3953, 0.2923, 0.3654



12.3953, 0.2554, 0.2851

Rectangle

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



12.3953, 0.3315, 0.2963



12.3953, 0.3722, 0.3375



12.3953, 0.2923, 0.3654



12.3953, 0.2566, 0.3157

Sweetspot

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



12.3959, 0.3315, 0.2963



28.3629, 0.3178, 0.3191



11.6034, 0.2913, 0.2711



6.4795, 0.3181, 0.3186



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.3959, 0.3315, 0.2963



20.0742, 0.3364, 0.2892



12.1371, 0.3524, 0.3235



3.7338, 0.3193, 0.3165



4.6409, 0.4515, 0.2261



22.4427, 0.4604, 0.2310

Inverse Universe

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



12.3959, 0.3315, 0.2963



20.0742, 0.3364, 0.2892



16.4304, 0.2833, 0.3347



3.7338, 0.3193, 0.3165



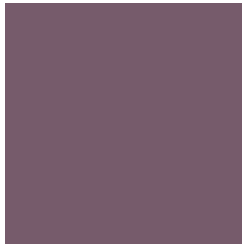
4.6409, 0.4515, 0.2261



22.4427, 0.4604, 0.2310

Previews

White Background



This preview shows how the Yxy color 12.3953, 0.3315, 0.2963 looks on a white background.

Color Contrast Check

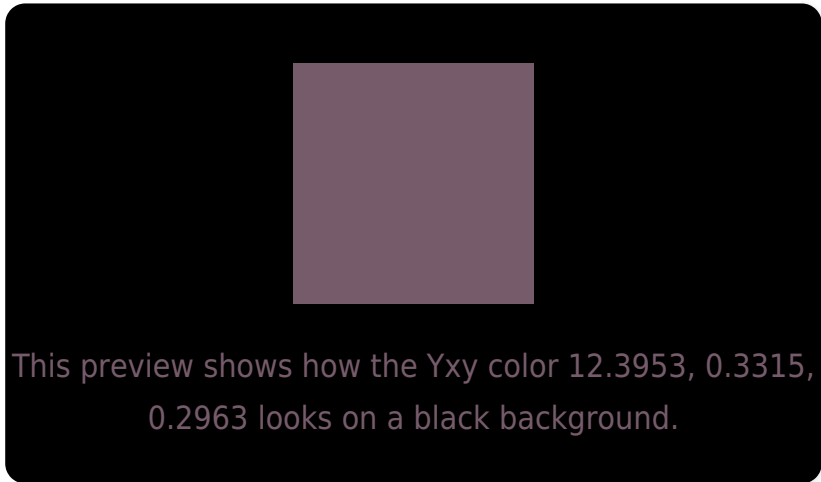
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.3953, 0.3315, 0.2963

Background



This preview shows how black text looks on a background with the Yxy color 12.3953, 0.3315, 0.2963.



This preview shows how white text looks on a background with the Yxy color 12.3953, 0.3315, 0.2963.

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

12.3953, 0.3315, 0.2963

Protanopia

12.4466, 0.2927, 0.2981

Deuteranopia

12.4096, 0.3122, 0.3073



Tritanopia

12.3371, 0.3420, 0.3145

Trichromacy



Original Color

12.3953, 0.3315, 0.2963

Protanomaly

12.3135, 0.3068, 0.2967

Deuteranomaly

12.3610, 0.3200, 0.3035

Tritanomaly

12.3955, 0.3373, 0.3083

Monochromacy



Original Color

12.3953, 0.3315, 0.2963

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.6545, 0.3193, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3953, 0.3315, 0.2963 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(118, 91, 107)` looks like.

```
.text, #text, p{  
    color:rgb(118, 91, 107)  
}
```

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(118, 91, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 91, 107) }
```

Border

The CSS property to change the border of an element to Yxy 12.3953, 0.3315, 0.2963 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(118, 91, 107) }
```

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

```
.border{ border-color:rgb(118, 91, 107) }
```

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

Here you see how a box with a 4 pixel rgb(118, 91, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 91, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 91, 107);  
box-shadow:4px 4px 4px 4px rgb(118, 91,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3953, 0.3315, 0.2963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 91, 107) }
```

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

```
.background{ background-color: rgb(118, 91,  
107) }
```

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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