

Converting Colors

$Y_{xy}(12.8442, 0.3234, 0.2963)$

Have a look what the booklet for
Yxy(12.8442, 0.3234, 0.2963)
contains.

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Color

Yxy(12.8442, 0.3234, 0.2963)

Conversions

Conversions Part 1

Format	Color
Hex	745E6E
RGB	116, 94, 110
RGB Percent	45%, 37%, 43%
CMY	0.5451, 0.6314, 0.5687
CMYK	0.00, 0.19, 0.05, 0.55
HSL	316°, 10%, 41%
HSV	316°, 19%, 45%
XYZ	14.0189, 12.8442, 16.4855
YIQ	102.4020, 7.9760, 9.6400

Conversions

Conversions Part 2

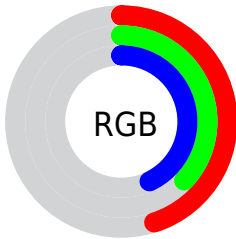
Format	Color
R_{YB}	116, 94, 110
Decimal	7626350
CIE Lab	42.53, 11.90, -5.69
CIE LCh	43, 13.192, 334.463
Yxy	12.8442, 0.3234, 0.2963
Android (android.graphics.Color)	4285816430 (0xFF745E6E)
YUV	102.4020, 3.7458, 11.9254
Hunter-Lab	35.8388, 7.1053, -2.1856

Details

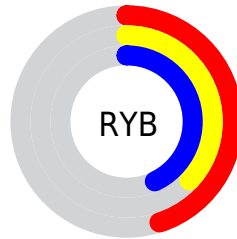
The Yxy color **12.8442, 0.3234, 0.2963** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.7923, 0.3035, 0.3641**, and the grayscale version is **13.3864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8800, 0.3202, 0.3029**, and **3.6906, 0.3305, 0.2829** is the 20% darker color. If you saturate the color by 10%, you get **10.8663, 0.3303, 0.2784**, and if you desaturate by 10%, it is **15.1358, 0.3174, 0.3139**.

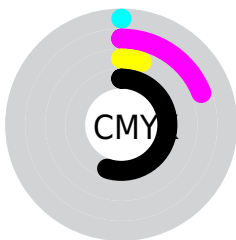
Distribution



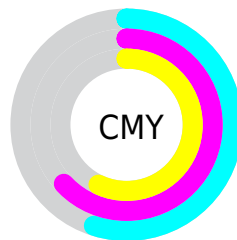
- Red (45%)
- Green (37%)
- Blue (43%)



- Red (45%)
- Yellow (37%)
- Blue (43%)



- Cyan (0%)
- Magenta (19%)
- Yellow (5%)
- Black (55%)




- Cyan (55%)
- Magenta (63%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8442, 0.3234, 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 12.8442, 0.3234, 0.2963 by changing the saturation by 10% instead.


 12.8442, 0.3234,
0.2963


 12.8442, 0.3234,
0.2963

209.9167, 0.3171,
0.3157


 7.3213, 0.3254,
0.2900


 31.0236, 0.3208,
0.3043


 3.6639, 0.3283,
0.2807

 44.4489, 0.3200,
0.3070

 1.4874, 0.3330,
0.2655

 61.2772, 0.3193,
0.3092

 0.2798, 0.3617,
0.1819

 81.8929, 0.3187,
0.3109

 0.0000, 0.0000,
0.0000

106.6802, 0.3182,
0.3124

136.0237, 0.3178,

0.3137

170.3078, 0.3174,
0.3148

■ 12.8442, 0.3234,
0.2963

■ 12.8442, 0.3234,
0.2963

■ 10.8663, 0.3303,
0.2784

■ 15.1358, 0.3174,
0.3139

■ 9.1866, 0.3382,
0.2606

■ 17.7525, 0.3122,
0.3307

■ 7.7909, 0.3471,
0.2436

■ 20.7069, 0.3078,
0.3466

■ 6.6629, 0.3568,
0.2283

■ 24.0106, 0.3041,
0.3615

■ 5.7849, 0.3672,
0.2154

■ 27.6748, 0.3010,
0.3754

■ 5.1370, 0.3779,
0.2060

■ 31.7098, 0.2983,
0.3881

■ 4.6962, 0.3888,
0.2008

■ 36.1260, 0.2961,
0.3998

■ 4.3882, 0.3997,
0.1985

■ 40.9329, 0.2942,
0.4106

■ 4.3569, 0.4009,
0.1982

■ 46.1400, 0.2927,
0.4205

Harmonies

Analogous

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



12.8442, 0.2949, 0.2843



12.8442, 0.3234, 0.2963



12.8442, 0.3500, 0.3162

Triad

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



12.8442, 0.3234, 0.2963



12.8442, 0.3536, 0.3766



12.8442, 0.2617, 0.3143

Complementary

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



12.8442, 0.3234, 0.2963



15.7923, 0.3035, 0.3641

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.



12.8442, 0.2761, 0.3411



12.8442, 0.3234, 0.2963



12.8442, 0.3288, 0.3785

Square

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



12.8442, 0.3234, 0.2963



12.8442, 0.3677, 0.3619



12.8442, 0.3004, 0.3654



12.8442, 0.2604, 0.2933

Rectangle

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



12.8442, 0.3234, 0.2963



12.8442, 0.3625, 0.3318



12.8442, 0.3004, 0.3654



12.8442, 0.2652, 0.3229

Sweetspot

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



12.8448, 0.3234, 0.2963



27.8389, 0.3158, 0.3187



11.9692, 0.2914, 0.2813



6.5905, 0.3161, 0.3179



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.



12.8448, 0.3234, 0.2963



20.9044, 0.3265, 0.2880



12.6230, 0.3396, 0.3183



3.7416, 0.3174, 0.3137



4.8859, 0.4015, 0.1985



23.6598, 0.4068, 0.2015

Inverse Universe

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



12.8448, 0.3234, 0.2963



20.9044, 0.3265, 0.2880



16.0165, 0.2913, 0.3400



3.7416, 0.3174, 0.3137



4.8859, 0.4015, 0.1985



23.6598, 0.4068, 0.2015

Previews

White Background



This preview shows how the Yxy color 12.8442, 0.3234, 0.2963 looks on a white background.

Color Contrast Check

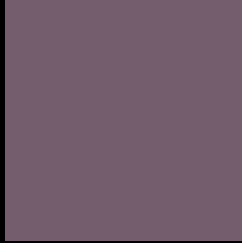
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 12.8442, 0.3234, 0.2963 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 12.8442, 0.3234, 0.2963

Background



This preview shows how black text looks on a background with the Yxy color 12.8442, 0.3234, 0.2963.



This preview shows how white text looks on a background with the Yxy color 12.8442, 0.3234, 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

12.8442, 0.3234, 0.2963

Protanopia

12.9259, 0.2917, 0.2985

Deuteranopia

12.9037, 0.3094, 0.3054



Tritanopia

12.8085, 0.3319, 0.3124

Trichromacy



Original Color

12.8442, 0.3234, 0.2963

Protanomaly

12.9309, 0.3026, 0.2971

Deuteranomaly

12.9685, 0.3154, 0.3037

Tritanomaly

12.8699, 0.3275, 0.3062

Monochromacy



Original Color

12.8442, 0.3234, 0.2963

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.0694, 0.3163, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8442, 0.3234, 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(116, 94, 110)` looks like.

```
.text, #text, p{  
    color:rgb(116, 94, 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(116, 94, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 94, 110) }
```

Border

The CSS property to change the border of an element to Yxy 12.8442, 0.3234, 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(116, 94, 110) }
```

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

```
.border{ border-color:rgb(116, 94, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 94, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 94, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 94, 110);  
box-shadow:4px 4px 4px 4px rgb(116, 94,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8442, 0.3234, 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(116, 94, 110) }
```

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

```
.background{ background-color: rgb(116, 94,  
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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