

Converting Colors

$Y_{xy}(12.1651, 0.3236, 0.3011)$

Have a look what the booklet for
Yxy(12.1651, 0.3236, 0.3011)
contains.

Yxy(12.1396, 0.3234, 0.2995)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.1396, 0.3234, 0.2995)

Conversions

Conversions Part 1

Format	Color
Hex	705C6A
RGB	112, 92, 106
RGB Percent	44%, 36%, 42%
CMY	0.5609, 0.6392, 0.5844
CMYK	0.00, 0.18, 0.05, 0.56
HSL	318°, 10%, 40%
HSV	318°, 18%, 44%
XYZ	13.1083, 12.1396, 15.2850
YIQ	99.5760, 7.4260, 8.5940

Conversions

Conversions Part 2

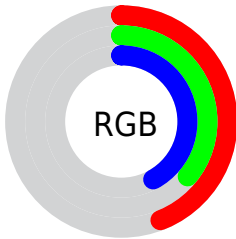
Format	Color
R_{YB}	112, 92, 106
Decimal	7363690
CIE Lab	41.44, 10.76, -4.91
CIE LCh	41, 11.825, 335.444
Yxy	12.1396, 0.3234, 0.2995
Android (android.graphics.Color)	4285553770 (0xFF705C6A)
YUV	99.5760, 3.1670, 10.8958
Hunter-Lab	34.8419, 6.1824, -1.6208

Details

The Yxy color **12.1396, 0.3234, 0.2995** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.7417, 0.3035, 0.3604**, and the grayscale version is **12.6207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6728, 0.3212, 0.3068**, and **3.3597, 0.3283, 0.2842** is the 20% darker color. If you saturate the color by 10%, you get **10.2725, 0.3308, 0.2823**, and if you desaturate by 10%, it is **14.2973, 0.3170, 0.3163**.

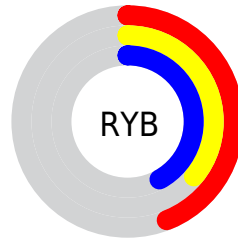
Distribution



Red (44%)

Green (36%)

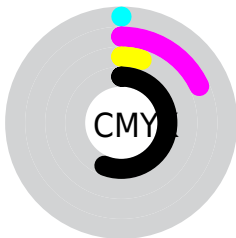
Blue (42%)



Red (44%)

Yellow (36%)

Blue (42%)

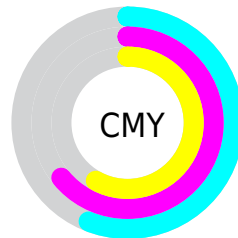


Cyan (0%)

Magenta (18%)

Yellow (5%)

Black (56%)



Cyan (56%)

Magenta (64%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.1396, 0.3234, 0.2995 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 12.1396, 0.3234, 0.2995 by changing the saturation by 10% instead.

■ 12.1396, 0.3234,
0.2995

■ 12.1396, 0.3234,
0.2995

205.3273, 0.3170,
0.3172

■ 6.8388, 0.3255,
0.2936

■ 29.7491, 0.3208,
0.3069

■ 3.3615, 0.3286,
0.2849

■ 42.8266, 0.3199,
0.3093

■ 1.3233, 0.3337,
0.2704

■ 59.2652, 0.3192,
0.3113

■ 0.1591, 0.3797,
0.1460

■ 79.4492, 0.3186,
0.3129

■ 0.0000, 0.0000,
0.0000

103.7630, 0.3181,
0.3142

132.5910, 0.3177,

0.3154

166.3176, 0.3173,
0.3163

■ 12.1396, 0.3234,
0.2995

■ 12.1396, 0.3234,
0.2995

■ 10.2725, 0.3308,
0.2823

■ 14.2973, 0.3170,
0.3163

■ 8.6819, 0.3392,
0.2651

■ 16.7559, 0.3116,
0.3324

■ 7.3547, 0.3487,
0.2485

■ 19.5270, 0.3070,
0.3476

■ 6.2765, 0.3592,
0.2334

■ 22.6212, 0.3031,
0.3618

■ 5.4310, 0.3706,
0.2206

■ 26.0485, 0.2998,
0.3749

■ 4.8004, 0.3825,
0.2112

■ 29.8186, 0.2971,
0.3870

■ 4.3640, 0.3947,
0.2057

■ 33.9407, 0.2948,
0.3982

■ 4.0623, 0.4069,
0.2035

■ 38.4237, 0.2928,
0.4084

■ 3.9991, 0.4097,
0.2031

■ 43.2762, 0.2912,
0.4178

Harmonies

Analogous

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



12.1396, 0.2973, 0.2882



12.1396, 0.3234, 0.2995



12.1396, 0.3474, 0.3180

Triad

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



12.1396, 0.3234, 0.2995



12.1396, 0.3495, 0.3728



12.1396, 0.2658, 0.3150

Complementary

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



12.1396, 0.3234, 0.2995



14.7417, 0.3035, 0.3604

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.



12.1396, 0.2786, 0.3393



12.1396, 0.3234, 0.2995



12.1396, 0.3266, 0.3739

Square

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



12.1396, 0.3234, 0.2995



12.1396, 0.3627, 0.3598



12.1396, 0.3007, 0.3615



12.1396, 0.2649, 0.2960

Rectangle

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



12.1396, 0.3234, 0.2995



12.1396, 0.3586, 0.3324



12.1396, 0.3007, 0.3615



12.1396, 0.2688, 0.3228

Sweetspot

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



12.1401, 0.3234, 0.2995



26.2405, 0.3155, 0.3208



11.4040, 0.2934, 0.2847



6.2495, 0.3158, 0.3199



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.



12.1401, 0.3234, 0.2995



20.0566, 0.3260, 0.2931



11.9505, 0.3381, 0.3198



3.4372, 0.3177, 0.3144



4.6208, 0.4105, 0.2035



22.8606, 0.4167, 0.2069

Inverse Universe

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



12.1401, 0.3234, 0.2995



20.0566, 0.3260, 0.2931



14.9352, 0.2922, 0.3385



3.4372, 0.3177, 0.3144



4.6208, 0.4105, 0.2035



22.8606, 0.4167, 0.2069

Previews

White Background



This preview shows how the Yxy color 12.1396, 0.3234, 0.2995 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 12.1396, 0.3234, 0.2995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

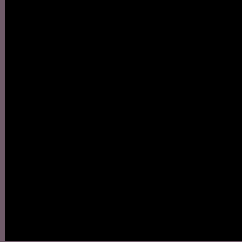
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.1396, 0.3234, 0.2995

Background



This preview shows how black text looks on a background with the Yxy color 12.1396, 0.3234, 0.2995.

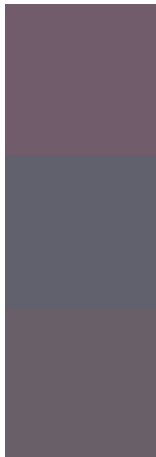


This preview shows how white text looks on a background with the Yxy color 12.1396, 0.3234, 0.2995.

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

12.1396, 0.3234, 0.2995

Protanopia

12.1403, 0.2951, 0.3021

Deuteranopia

12.1474, 0.3122, 0.3071



Tritanopia

12.1283, 0.3306, 0.3140

Trichromacy



Original Color

12.1396, 0.3234, 0.2995

Protanomaly

12.0919, 0.3051, 0.3005

Deuteranomaly

12.1511, 0.3169, 0.3052

Tritanomaly

12.1675, 0.3276, 0.3098

Monochromacy



Original Color

12.1396, 0.3234, 0.2995

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.4518, 0.3162, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1396, 0.3234, 0.2995 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(112, 92, 106)` looks like.

```
.text, #text, p{  
    color:rgb(112, 92, 106)  
}
```

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(112, 92, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 92, 106) }
```

Border

The CSS property to change the border of an element to Yxy 12.1396, 0.3234, 0.2995 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(112, 92, 106) }
```

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

```
.border{ border-color:rgb(112, 92, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 92, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 92, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 92, 106); box-shadow:4px 4px 4px 4px rgb(112, 92, 106) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1396, 0.3234, 0.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 92, 106) }
```

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

```
.background{ background-color: rgb(112, 92,  
106) }
```

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