

Converting Colors

$Y_{xy}(12.9956, 0.3107, 0.2748)$

Have a look what the booklet for
Yxy(12.9956, 0.3107, 0.2748)
contains.

Yxy(12.9667, 0.3108, 0.2753)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.9667, 0.3108, 0.2753)

Conversions

Conversions Part 1

Format	Color
Hex	755D78
RGB	117, 93, 120
RGB Percent	46%, 36%, 47%
CMY	0.5412, 0.6353, 0.5295
CMYK	0.02, 0.22, 0.00, 0.53
HSL	293°, 13%, 42%
HSV	293°, 22%, 47%
XYZ	14.6388, 12.9667, 19.4948
YIQ	103.2540, 5.6370, 13.4850

Conversions

Conversions Part 2

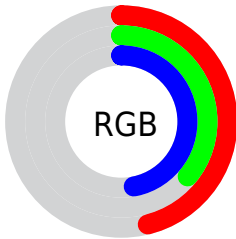
Format	Color
R _Y B	117, 93, 120
Decimal	7691640
CIE Lab	42.71, 14.94, -11.49
CIE LCh	43, 18.851, 322.428
Yxy	12.9667, 0.3108, 0.2753
Android (android.graphics.Color)	4285881720 (0xFF755D78)
YUV	103.2540, 8.2558, 12.0552
Hunter-Lab	36.0093, 9.5488, -6.8920

Details

The Yxy color **12.9667, 0.3108, 0.2753** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **16.7060, 0.3136, 0.3877**, and the grayscale version is **13.6109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0585, 0.3116, 0.2877**, and **3.7169, 0.3088, 0.2530** is the 20% darker color. If you saturate the color by 10%, you get **10.9319, 0.3095, 0.2508**, and if you desaturate by 10%, it is **15.3344, 0.3118, 0.2997**.

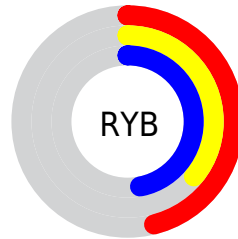
Distribution



Red (46%)

Green (36%)

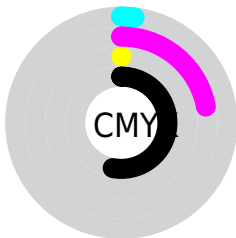
Blue (47%)



Red (46%)

Yellow (36%)

Blue (47%)

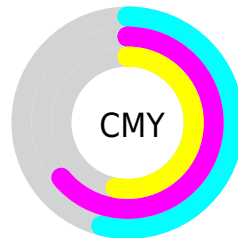


Cyan (2%)

Magenta (22%)

Yellow (0%)

Black (53%)



Cyan (54%)


Magenta (64%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9667, 0.3108, 0.2753 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 12.9667, 0.3108, 0.2753 by changing the saturation by 10% instead.


 12.9667, 0.3108,
0.2753


 12.9667, 0.3108,
0.2753


210.7041, 0.3124,
0.3067

 7.4056, 0.3100,
0.2654


 31.2439, 0.3116,
0.2881


 3.7170, 0.3086,
0.2511

 44.7289, 0.3118,
0.2924

 1.5166, 0.3058,
0.2286

 61.6239, 0.3120,
0.2960

 0.3003, 0.3110,
0.1436

 82.3135, 0.3121,
0.2989

 0.0000, 0.0000,
0.0000

107.1818, 0.3122,
0.3013

136.6135, 0.3123,

0.3034

170.9928, 0.3123,
0.3052

■ 12.9667, 0.3108,
0.2753

■ 12.9667, 0.3108,
0.2753

■ 10.9319, 0.3095,
0.2508

■ 15.3344, 0.3118,
0.2997

■ 9.2130, 0.3079,
0.2269

■ 18.0478, 0.3126,
0.3233

■ 7.7940, 0.3060,
0.2045

■ 21.1210, 0.3131,
0.3458

■ 6.6567, 0.3039,
0.1844

■ 24.5666, 0.3134,
0.3669

■ 5.7810, 0.3015,
0.1675

■ 28.3970, 0.3136,
0.3865

■ 5.1443, 0.2989,
0.1543

■ 32.6236, 0.3137,
0.4045

■ 4.7193, 0.2962,
0.1451

■ 37.2577, 0.3136,
0.4209

■ 4.4613, 0.2941,
0.1394

■ 42.3099, 0.3135,
0.4359

■ 47.7905, 0.3133,
0.4494

Harmonies

Analogous

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



12.9667, 0.2730, 0.2640



12.9667, 0.3108, 0.2753



12.9667, 0.3515, 0.2987

Triad

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



12.9667, 0.3108, 0.2753



12.9667, 0.3810, 0.3893



12.9667, 0.2471, 0.3220

Complementary

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



12.9667, 0.3108, 0.2753



16.7060, 0.3136, 0.3877

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.



12.9667, 0.2730, 0.3616



12.9667, 0.3108, 0.2753



12.9667, 0.3502, 0.4017

Square

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



12.9667, 0.3108, 0.2753



12.9667, 0.3934, 0.3623



12.9667, 0.3105, 0.3921



12.9667, 0.2381, 0.2880

Rectangle

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



12.9667, 0.3108, 0.2753



12.9667, 0.3741, 0.3188



12.9667, 0.3105, 0.3921



12.9667, 0.2540, 0.3353

Sweetspot

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



12.9673, 0.3108, 0.2753



29.4362, 0.3122, 0.3123



12.0776, 0.2773, 0.2768



6.9289, 0.3122, 0.3113



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



12.9673, 0.3108, 0.2753



20.8877, 0.3102, 0.2626



12.9402, 0.3301, 0.2956



4.0560, 0.3121, 0.3078



4.8648, 0.2940, 0.1393



22.9762, 0.2926, 0.1385

Inverse Universe

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



12.6667, 0.3511, 0.3229



20.2698, 0.3627, 0.3215



16.7427, 0.2986, 0.3650



4.0216, 0.3261, 0.3267



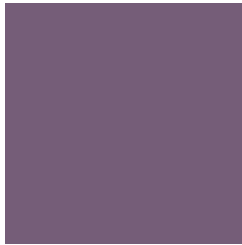
4.3875, 0.6214, 0.3197



20.8634, 0.6294, 0.3241

Previews

White Background



This preview shows how the Yxy color 12.9667, 0.3108, 0.2753 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 12.9667, 0.3108, 0.2753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

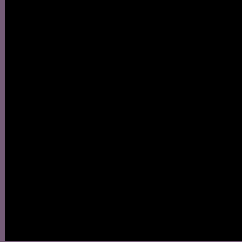
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9667, 0.3108, 0.2753

Background



This preview shows how black text looks on a background with the Yxy color 12.9667, 0.3108, 0.2753.



This preview shows how white text looks on a background with the Yxy color 12.9667, 0.3108, 0.2753.

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

12.9667, 0.3108, 0.2753

Protanopia

13.0279, 0.2747, 0.2758

Deuteranopia

13.0804, 0.2908, 0.2867



Tritanopia

12.9899, 0.3317, 0.3145

Trichromacy



Original Color

12.9667, 0.3108, 0.2753

Protanomaly

12.8630, 0.2871, 0.2747

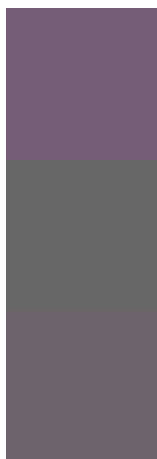
Deuteranomaly

13.0071, 0.2977, 0.2833

Tritanomaly

13.0015, 0.3246, 0.3003

Monochromacy



Original Color

12.9667, 0.3108, 0.2753

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.2160, 0.3123, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9667, 0.3108, 0.2753 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(117, 93, 120)` looks like.

```
.text, #text, p{  
    color:rgb(117, 93, 120)  
}
```

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(117, 93, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 93, 120) }
```

Border

The CSS property to change the border of an element to Yxy 12.9667, 0.3108, 0.2753 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(117, 93, 120) }
```

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

```
.border{ border-color:rgb(117, 93, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 93, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 93, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 93, 120);  
box-shadow:4px 4px 4px 4px rgb(117, 93,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9667, 0.3108, 0.2753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 93, 120) }
```

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

```
.background{ background-color: rgb(117, 93,  
120) }
```

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