

Converting Colors

$Y_{xy}(13.7161, 0.3078, 0.2783)$

Have a look what the booklet for
Yxy(13.7161, 0.3078, 0.2783)
contains.

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Color

Yxy(13.7364, 0.3078, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	75617A
RGB	117, 97, 122
RGB Percent	46%, 38%, 48%
CMY	0.5413, 0.6196, 0.5215
CMYK	0.04, 0.20, 0.00, 0.52
HSL	288°, 11%, 43%
HSV	288°, 20%, 48%
XYZ	15.1218, 13.7364, 20.2705
YIQ	105.8300, 3.8950, 12.0150

Conversions

Conversions Part 2

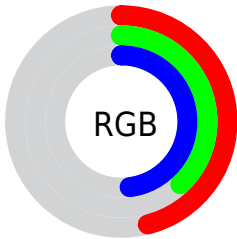
Format	Color
R_{YB}	117, 97, 122
Decimal	7692666
CIE _{Lab}	43.85, 12.95, -11.01
CIE _{LCh}	44, 16.992, 319.631
Yxy	13.7364, 0.3078, 0.2796
Android (android.graphics.Color)	4285882746 (0xFF75617A)
YUV	105.8300, 7.9718, 9.7961
Hunter-Lab	37.0626, 7.9697, -6.4834

Details

The Yxy color **13.7364, 0.3078, 0.2796** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.6128, 0.3164, 0.3816**, and the grayscale version is **14.3410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6708, 0.3094, 0.2923**, and **3.9912, 0.3041, 0.2568** is the 20% darker color. If you saturate the color by 10%, you get **11.4847, 0.3047, 0.2544**, and if you desaturate by 10%, it is **16.3406, 0.3104, 0.3043**.

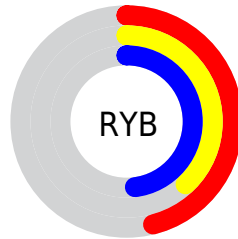
Distribution



Red (46%)

Green (38%)

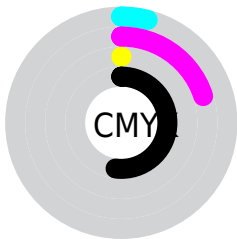
Blue (48%)



Red (46%)

Yellow (38%)

Blue (48%)

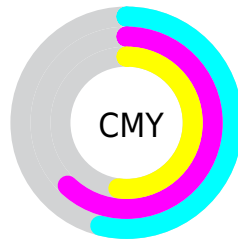


Cyan (4%)

Magenta (20%)

Yellow (0%)

Black (52%)



Cyan (54%)

Magenta (62%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7364, 0.3078, 0.2796 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 13.7364, 0.3078, 0.2796 by changing the saturation by 10% instead.


 13.7364, 0.3078,
0.2796

 13.7364, 0.3078,
0.2796


215.5847, 0.3111,
0.3084

 7.9376, 0.3065,
0.2706


 32.6206, 0.3093,
0.2913


 4.0550, 0.3045,
0.2576

 46.4747, 0.3097,
0.2953

 1.7044, 0.3007,
0.2373

 63.7827, 0.3101,
0.2985

 0.4265, 0.2996,
0.1771

 84.9290, 0.3104,
0.3012

 0.0000, 0.0000,
0.0000

110.2979, 0.3106,
0.3034

140.2739, 0.3108,

0.3053

175.2414, 0.3109,
0.3069

■ 13.7364, 0.3078,
0.2796

■ 13.7364, 0.3078,
0.2796

■ 11.4847, 0.3047,
0.2544

■ 16.3406, 0.3104,
0.3043

■ 9.5680, 0.3010,
0.2293

■ 19.3103, 0.3126,
0.3279

■ 7.9696, 0.2968,
0.2051

■ 22.6602, 0.3144,
0.3501

■ 6.6711, 0.2923,
0.1829

■ 26.4033, 0.3158,
0.3707

■ 5.6520, 0.2874,
0.1635

■ 30.5524, 0.3168,
0.3897

■ 4.8890, 0.2823,
0.1477

■ 35.1195, 0.3176,
0.4071

■ 4.3554, 0.2771,
0.1360

■ 40.1160, 0.3182,
0.4228

■ 3.9710, 0.2722,
0.1273

■ 45.5531, 0.3186,
0.4371

■ 51.4414, 0.3188,
0.4500

Harmonies

Analogous

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



13.7364, 0.2748, 0.2708



13.7364, 0.3078, 0.2796



13.7364, 0.3440, 0.2998

Triad

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



13.7364, 0.3078, 0.2796



13.7364, 0.3750, 0.3809



13.7364, 0.2560, 0.3264

Complementary

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



13.7364, 0.3078, 0.2796



17.6128, 0.3164, 0.3816

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.



13.7364, 0.2804, 0.3607



13.7364, 0.3078, 0.2796



13.7364, 0.3491, 0.3929

Square

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



13.7364, 0.3078, 0.2796



13.7364, 0.3840, 0.3564



13.7364, 0.3144, 0.3860



13.7364, 0.2463, 0.2953

Rectangle

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



13.7364, 0.3078, 0.2796



13.7364, 0.3645, 0.3175



13.7364, 0.3144, 0.3860



13.7364, 0.2627, 0.3380

Sweetspot

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



13.7370, 0.3078, 0.2796



30.9319, 0.3114, 0.3147



13.5343, 0.2810, 0.2873



7.0155, 0.3113, 0.3135



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.



13.7370, 0.3078, 0.2796



22.0621, 0.3063, 0.2667



13.9259, 0.3248, 0.2938



4.0387, 0.3108, 0.3077



4.1765, 0.2720, 0.1272



19.5587, 0.2694, 0.1258

Inverse Universe

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



13.6499, 0.3436, 0.3190



21.8922, 0.3535, 0.3163



17.4654, 0.3025, 0.3670



4.0270, 0.3248, 0.3247



4.4271, 0.5998, 0.3078



21.0172, 0.6111, 0.3140

Previews

White Background



This preview shows how the Yxy color 13.7364, 0.3078, 0.2796 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 13.7364, 0.3078, 0.2796 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 13.7364, 0.3078, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 13.7364, 0.3078, 0.2796.



This preview shows how white text looks on a background with the Yxy color 13.7364, 0.3078, 0.2796.

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

13.7364, 0.3078, 0.2796

Protanopia

13.8595, 0.2791, 0.2811

Deuteranopia

13.6911, 0.2925, 0.2875



Tritanopia

13.8207, 0.3251, 0.3146

Trichromacy



Original Color

13.7364, 0.3078, 0.2796

Protanomaly

13.8522, 0.2890, 0.2800

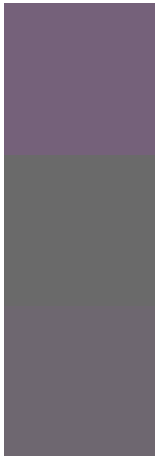
Deuteranomaly

13.7460, 0.2979, 0.2861

Tritanomaly

13.8065, 0.3198, 0.3026

Monochromacy



Original Color

13.7364, 0.3078, 0.2796

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.1853, 0.3108, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7364, 0.3078, 0.2796 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, 97, 122)` looks like.

```
.text, #text, p{  
    color:rgb(117, 97, 122)  
}
```

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, 97, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 97, 122) }
```

Border

The CSS property to change the border of an element to Yxy 13.7364, 0.3078, 0.2796 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, 97, 122) }
```

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

```
.border{ border-color:rgb(117, 97, 122) }
```

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

Here you see how a box with a 4 pixel rgb(117, 97, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 97, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 97, 122);  
box-shadow:4px 4px 4px 4px rgb(117, 97,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7364, 0.3078, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 97, 122) }
```

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

```
.background{ background-color: rgb(117, 97,  
122) }
```

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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