

Converting Colors

$Y_{xy}(13.1153, 0.2606, 0.2865)$

Have a look what the booklet for
Yxy(13.1153, 0.2606, 0.2865)
contains.

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Color

Yxy(13.0800, 0.2612, 0.2866)

Conversions

Conversions Part 1

Format	Color
Hex	51687B
RGB	81, 104, 123
RGB Percent	32%, 41%, 48%
CMY	0.6822, 0.5922, 0.5176
CMYK	0.34, 0.15, 0.00, 0.52
HSL	207°, 21%, 40%
HSV	207°, 34%, 48%
XYZ	11.9208, 13.0800, 20.6377
YIQ	99.2890, -19.8070, 1.0330

Conversions

Conversions Part 2

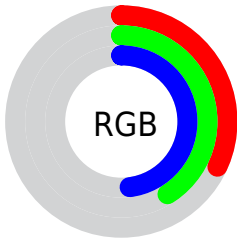
Format	Color
R_{YB}	81, 96, 123
Decimal	5335163
CIE Lab	42.88, -3.53, -13.36
CIE LCh	43, 13.820, 255.206
Yxy	13.0800, 0.2612, 0.2866
Android (android.graphics.Color)	4283525243 (0xFF51687B)
YUV	99.2890, 11.6895, -16.0395
Hunter-Lab	36.1663, -4.4555, -8.5165

Details

The Yxy color **13.0800, 0.2612, 0.2866** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9280, 0.3754, 0.3677**, and the grayscale version is **12.5293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4434, 0.2746, 0.2980**, and **3.7607, 0.2374, 0.2658** is the 20% darker color. If you saturate the color by 10%, you get **11.5005, 0.2461, 0.2717**, and if you desaturate by 10%, it is **14.8331, 0.2765, 0.3004**.

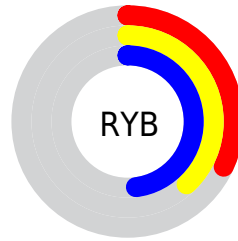
Distribution



Red (32%)

Green (41%)

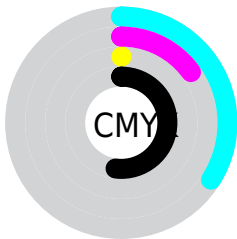
Blue (48%)



Red (32%)

Yellow (38%)

Blue (48%)

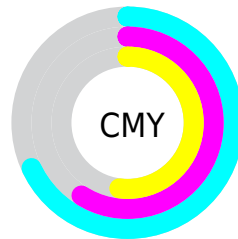


Cyan (34%)

Magenta (15%)

Yellow (0%)

Black (52%)



Cyan (68%)

Magenta (59%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.0800, 0.2612, 0.2866 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 13.0800, 0.2612, 0.2866 by changing the saturation by 10% instead.

■ 13.0800, 0.2612,
0.2866

■ 13.0800, 0.2612,
0.2866

■ 211.4297, 0.2919,
0.3122

■ 7.4837, 0.2512,
0.2780

■ 31.4474, 0.2739,
0.2973

■ 3.7664, 0.2365,
0.2653

■ 44.9873, 0.2781,
0.3009

■ 1.5438, 0.2130,
0.2443

■ 61.9438, 0.2816,
0.3037

■ 0.3192, 0.1172,
0.1721

■ 82.7014, 0.2844,
0.3060

■ 0.0000, 0.0000,
0.0000

■ 107.6443, 0.2867,
0.3080

137.1571, 0.2887,

0.3096

171.6241, 0.2904,
0.3110

■ 13.0800, 0.2612,
0.2866

■ 13.0800, 0.2612,
0.2866

■ 11.5005, 0.2461,
0.2717

■ 14.8331, 0.2765,
0.3004

■ 10.0864, 0.2316,
0.2558

■ 16.7645, 0.2918,
0.3131

■ 8.8308, 0.2182,
0.2393

■ 18.8808, 0.3067,
0.3246

■ 7.7257, 0.2061,
0.2224

■ 21.1875, 0.3211,
0.3349

■ 6.7624, 0.1959,
0.2054

■ 23.6900, 0.3349,
0.3441

■ 5.9289, 0.1877,
0.1888

■ 26.3934, 0.3479,
0.3523

■ 5.4802, 0.1831,
0.1792

■ 29.3027, 0.3602,
0.3595

■ 32.4225, 0.3717,
0.3658

■ 35.7574, 0.3825,
0.3714

Harmonies

Analogous

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



13.0800, 0.2576, 0.3048



13.0800, 0.2612, 0.2866



13.0800, 0.2779, 0.2802

Triad

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



13.0800, 0.2612, 0.2866



13.0800, 0.3593, 0.3242



13.0800, 0.3188, 0.3775

Complementary

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



13.0800, 0.2612, 0.2866



13.9280, 0.3754, 0.3677

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.



13.0800, 0.3469, 0.3811



13.0800, 0.2612, 0.2866



13.0800, 0.3712, 0.3488

Square

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



13.0800, 0.2612, 0.2866



13.0800, 0.3344, 0.3017



13.0800, 0.3664, 0.3699



13.0800, 0.2899, 0.3588

Rectangle

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



13.0800, 0.2612, 0.2866



13.0800, 0.2948, 0.2827



13.0800, 0.3664, 0.3699



13.0800, 0.3286, 0.3805

Sweetspot

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



13.0805, 0.2612, 0.2866



31.4482, 0.2976, 0.3177



16.8370, 0.2889, 0.3807



7.3044, 0.2959, 0.3164



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



13.0805, 0.2612, 0.2866



21.1664, 0.2493, 0.2749



9.3867, 0.2552, 0.2377



4.2230, 0.2994, 0.3191



5.6575, 0.1830, 0.1789



25.2677, 0.1808, 0.1708

Inverse Universe

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



11.0998, 0.3470, 0.2829



17.3200, 0.3579, 0.2721



18.4587, 0.3628, 0.4064



4.0483, 0.3200, 0.3174



4.7780, 0.4698, 0.2362



22.6180, 0.4797, 0.2416

Previews

White Background



This preview shows how the Yxy color 13.0800, 0.2612, 0.2866 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 13.0800, 0.2612, 0.2866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

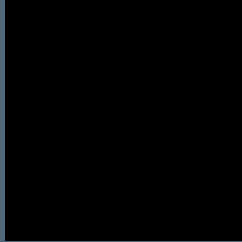
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

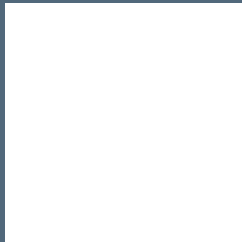
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.0800, 0.2612, 0.2866

Background



This preview shows how black text looks on a background with the Yxy color 13.0800, 0.2612, 0.2866.

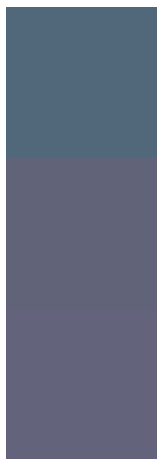


This preview shows how white text looks on a background with the Yxy color 13.0800, 0.2612, 0.2866.

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

13.0800, 0.2612, 0.2866

Protanopia

13.0118, 0.2831, 0.2860

Deuteranopia

13.0316, 0.2808, 0.2763



Tritanopia

13.1852, 0.2688, 0.3105

Trichromacy



Original Color

13.0800, 0.2612, 0.2866

Protanomaly

12.9120, 0.2744, 0.2853

Deuteranomaly

13.0379, 0.2723, 0.2794

Tritanomaly

13.0930, 0.2665, 0.3016

Monochromacy



Original Color

13.0800, 0.2612, 0.2866

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.6654, 0.2911, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0800, 0.2612, 0.2866 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(81, 104, 123)` looks like.

```
.text, #text, p{  
    color:rgb(81, 104, 123)  
}
```

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(81, 104, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 104, 123) }
```

Border

The CSS property to change the border of an element to Yxy 13.0800, 0.2612, 0.2866 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(81, 104, 123) }
```

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

```
.border{ border-color:rgb(81, 104, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 104, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 104, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 104, 123);  
box-shadow:4px 4px 4px 4px rgb(81, 104,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0800, 0.2612, 0.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 104, 123) }
```

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

```
.background{ background-color: rgb(81, 104,  
123) }
```

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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