

Converting Colors

$Y_{xy}(13.3237, 0.2745, 0.3183)$

Have a look what the booklet for
Yxy(13.3237, 0.2745, 0.3183)
contains.

Yxy(13.4124, 0.2746, 0.3197)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.4124, 0.2746, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	516B6F
RGB	81, 107, 111
RGB Percent	32%, 42%, 44%
CMY	0.6823, 0.5804, 0.5647
CMYK	0.27, 0.04, 0.00, 0.56
HSL	188°, 16%, 38%
HSV	188°, 27%, 44%
XYZ	11.5203, 13.4124, 17.0204
YIQ	99.6820, -16.7800, -4.2680

Conversions

Conversions Part 2

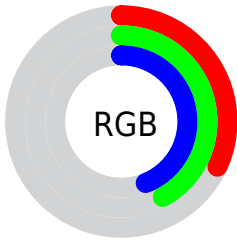
Format	Color
R_{YB}	81, 95, 111
Decimal	5335919
CIE _{Lab}	43.38, -8.50, -5.36
CIE _{LCh}	43, 10.046, 212.255
Yxy	13.4124, 0.2746, 0.3197
Android (android.graphics.Color)	4283525999 (0xFF516B6F)
YUV	99.6820, 5.5798, -16.3841
Hunter-Lab	36.6229, -7.9402, -1.9187

Details

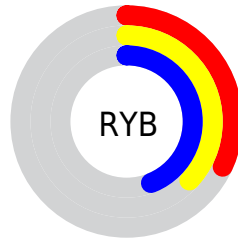
The Yxy color **13.4124, 0.2746, 0.3197** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.4708, 0.3645, 0.3381**, and the grayscale version is **12.6479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9234, 0.2835, 0.3210**, and **3.9479, 0.2575, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **12.6561, 0.2618, 0.3158**, and if you desaturate by 10%, it is **14.2552, 0.2882, 0.3234**.

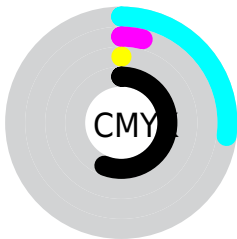
Distribution



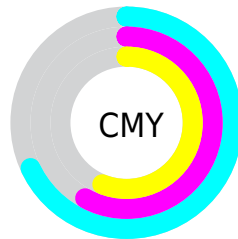
- Red (32%)
- Green (42%)
- Blue (44%)



- Red (32%)
- Yellow (37%)
- Blue (44%)



- Cyan (27%)
- Magenta (4%)
- Yellow (0%)
- Black (56%)



- Cyan (68%)
- Magenta (58%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4124, 0.2746, 0.3197 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 13.4124, 0.2746, 0.3197 by changing the saturation by 10% instead.

■ 13.4124, 0.2746,
0.3197

■ 13.4124, 0.2746,
0.3197

■ 213.5440, 0.2974,
0.3256

■ 7.7131, 0.2671,
0.3176

■ 32.0427, 0.2840,
0.3222

■ 3.9119, 0.2560,
0.3142

■ 45.7426, 0.2872,
0.3231

■ 1.6244, 0.2379,
0.3082

■ 62.8780, 0.2897,
0.3237

■ 0.3740, 0.1135,
0.2868

■ 83.8336, 0.2918,
0.3242

■ 0.0000, 0.0000,
0.0000

■ 108.9936, 0.2935,
0.3246

138.7424, 0.2950,

0.3250

173.4644, 0.2963,
0.3253

■ 13.4124, 0.2746,
0.3197

■ 13.4124, 0.2746,
0.3197

■ 12.6561, 0.2618,
0.3158

■ 14.2552, 0.2882,
0.3234

■ 11.9808, 0.2501,
0.3117

■ 15.1867, 0.3025,
0.3268

■ 11.3828, 0.2398,
0.3074

■ 16.2106, 0.3171,
0.3299

■ 10.8574, 0.2311,
0.3030

■ 17.3304, 0.3318,
0.3327

■ 10.3995, 0.2240,
0.2985

■ 18.5490, 0.3464,
0.3353

10.0032, 0.2186,
0.2941

19.8694, 0.3608,
0.3375

9.6531, 0.2146,
0.2896

21.2944, 0.3749,
0.3395

9.5511, 0.2134,
0.2883

22.8267, 0.3885,
0.3413

24.4689, 0.4015,
0.3428

Harmonies

Analogous

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



13.4124, 0.2863, 0.3396



13.4124, 0.2746, 0.3197



13.4124, 0.2728, 0.3033

Triad

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



13.4124, 0.2746, 0.3197



13.4124, 0.3193, 0.3032



13.4124, 0.3447, 0.3643

Complementary

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



13.4124, 0.2746, 0.3197



10.4708, 0.3645, 0.3381

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.



13.4124, 0.3543, 0.3530



13.4124, 0.2746, 0.3197



13.4124, 0.3394, 0.3182

Square

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



13.4124, 0.2746, 0.3197



13.4124, 0.2980, 0.2946



13.4124, 0.3524, 0.3361



13.4124, 0.3265, 0.3661

Rectangle

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



13.4124, 0.2746, 0.3197



13.4124, 0.2773, 0.2964



13.4124, 0.3524, 0.3361



13.4124, 0.3490, 0.3614

Sweetspot

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



13.4129, 0.2746, 0.3197



26.9867, 0.3008, 0.3264



13.7663, 0.3052, 0.3928



6.4318, 0.2990, 0.3260



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.



13.4129, 0.2746, 0.3197



23.2076, 0.2670, 0.3174



10.6387, 0.2715, 0.2850



3.7431, 0.2996, 0.3261



11.2282, 0.2133, 0.2879



55.0243, 0.2126, 0.2855

Inverse Universe

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



10.3264, 0.3220, 0.2736



16.8131, 0.3244, 0.2615



12.9925, 0.3568, 0.3694



3.4462, 0.3155, 0.3110



4.9793, 0.3562, 0.1736



24.7125, 0.3584, 0.1748

Previews

White Background



This preview shows how the Yxy color 13.4124, 0.2746, 0.3197 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 13.4124, 0.2746, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

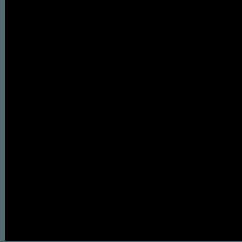
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

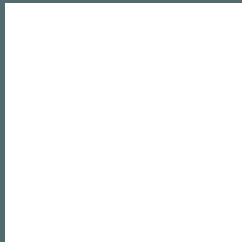
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.4124, 0.2746, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 13.4124, 0.2746, 0.3197.



This preview shows how white text looks on a background with the Yxy color 13.4124, 0.2746, 0.3197.

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

13.4124, 0.2746, 0.3197

Protanopia

13.4102, 0.3048, 0.3160

Deuteranopia

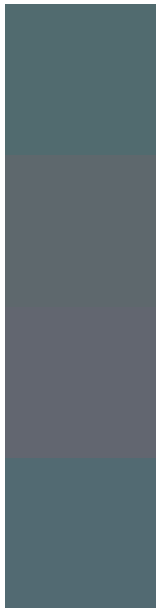
13.2417, 0.3055, 0.2995



Tritanopia

13.3397, 0.2712, 0.3085

Trichromacy



Original Color

13.4124, 0.2746, 0.3197

Protanomaly

13.3844, 0.2927, 0.3178

Deuteranomaly

13.2693, 0.2943, 0.3071

Tritanomaly

13.3168, 0.2723, 0.3107

Monochromacy



Original Color

13.4124, 0.2746, 0.3197

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.0271, 0.2975, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4124, 0.2746, 0.3197 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, 107, 111)` looks like.

```
.text, #text, p{  
    color:rgb(81, 107, 111)  
}
```

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, 107, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 107, 111) }
```

Border

The CSS property to change the border of an element to Yxy 13.4124, 0.2746, 0.3197 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, 107, 111) }
```

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

```
.border{ border-color:rgb(81, 107, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 107, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 107, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 107, 111);  
box-shadow:4px 4px 4px 4px rgb(81, 107,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4124, 0.2746, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 107, 111) }
```

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

```
.background{ background-color: rgb(81, 107,  
111) }
```

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