

Converting Colors

$Y_{xy}(13.3892, 0.2355, 0.3013)$

Have a look what the booklet for
Yxy(13.3892, 0.2355, 0.3013)
contains.

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Color

Yxy(13.4270, 0.2360, 0.3028)

Conversions

Conversions Part 1

Format	Color
Hex	316F7A
RGB	49, 111, 122
RGB Percent	19%, 44%, 48%
CMY	0.8077, 0.5647, 0.5216
CMYK	0.60, 0.09, 0.00, 0.52
HSL	189°, 43%, 34%
HSV	189°, 60%, 48%
XYZ	10.4649, 13.4270, 20.4509
YIQ	93.7160, -40.4830, -9.7230

Conversions

Conversions Part 2

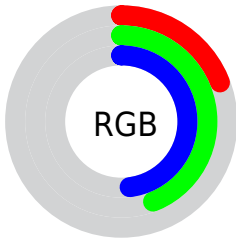
Format	Color
R_{YB}	49, 83, 122
Decimal	3239802
CIE _{Lab}	43.40, -16.39, -12.12
CIE _{LCh}	43, 20.385, 216.495
Yxy	13.4270, 0.2360, 0.3028
Android (android.graphics.Color)	4281429882 (0xFF316F7A)
YUV	93.7160, 13.9440, -39.2159
Hunter-Lab	36.6429, -13.1469, -7.4406




Details

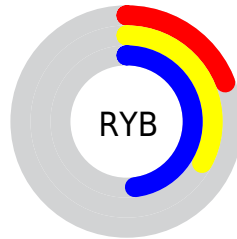
The Yxy color **13.4270, 0.2360, 0.3028** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.5947, 0.4715, 0.3511**, and the grayscale version is **11.0990, 0.3127, 0.3290**.




A 20% lighter version of the original color is **32.1339, 0.2548, 0.3110**, and **4.0361, 0.2138, 0.2895** is the 20% darker color. If you saturate the color by 10%, you get **12.7667, 0.2275, 0.2977**, and if you desaturate by 10%, it is **14.1787, 0.2461, 0.3078**.

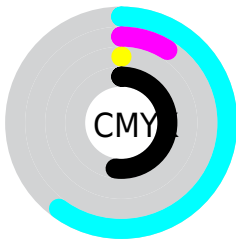
Distribution







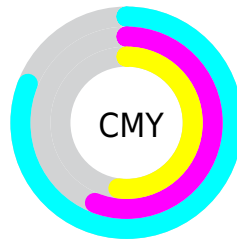
-  Red (19%)
-  Green (44%)
-  Blue (48%)






-  Red (19%)
-  Yellow (33%)
-  Blue (48%)



-  Cyan (60%)
-  Magenta (9%)
-  Yellow (0%)
-  Black (52%)





-  Cyan (81%)
-  Magenta (56%)
-  Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4270, 0.2360, 0.3028 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 13.4270, 0.2360, 0.3028 by changing the saturation by 10% instead.


 13.4270, 0.2360,
0.3028


 13.4270, 0.2360,
0.3028


 213.6364, 0.2811,
0.3195


 7.7232, 0.2218,
0.2967


 32.0688, 0.2544,
0.3101


 3.9184, 0.2013,
0.2871

 45.7756, 0.2607,
0.3124


 1.6280, 0.1696,
0.2703


 62.9189, 0.2657,
0.3143

 0.3764, 0.0000,
0.2261

 83.8831, 0.2699,
0.3157

 0.0000, 0.0000,
0.0000

 109.0526, 0.2734,
0.3169

 138.8117, 0.2763,

0.3179

173.5448, 0.2789,
0.3188

■ 13.4270, 0.2360,
0.3028

■ 13.4270, 0.2360,
0.3028

■ 12.7667, 0.2275,
0.2977

■ 14.1787, 0.2461,
0.3078

■ 12.1895, 0.2207,
0.2926

■ 15.0264, 0.2577,
0.3126

■ 11.6880, 0.2157,
0.2874

■ 15.9762, 0.2704,
0.3171

■ 11.2355, 0.2118,
0.2823

■ 17.0330, 0.2841,
0.3214

■ 11.2267, 0.2117,
0.2822

■ 18.2018, 0.2983,
0.3254

■ 19.4867, 0.3130,
0.3291

■ 20.8922, 0.3278,
0.3324

■ 22.4219, 0.3426,
0.3354

■ 24.0799, 0.3571,
0.3380

Harmonies

Analogous

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



13.4270, 0.2554, 0.3441



13.4270, 0.2360, 0.3028



13.4270, 0.2355, 0.2730

Triad

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



13.4270, 0.2360, 0.3028



13.4270, 0.3314, 0.2822



13.4270, 0.3719, 0.4021

Complementary

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



13.4270, 0.2360, 0.3028



7.5947, 0.4715, 0.3511

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.



13.4270, 0.3956, 0.3790



13.4270, 0.2360, 0.3028



13.4270, 0.3719, 0.3114

Square

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



13.4270, 0.2360, 0.3028



13.4270, 0.2880, 0.2637



13.4270, 0.3960, 0.3459



13.4270, 0.3331, 0.4053

Rectangle

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



13.4270, 0.2360, 0.3028



13.4270, 0.2457, 0.2623



13.4270, 0.3960, 0.3459



13.4270, 0.3820, 0.3961

Sweetspot

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



13.4275, 0.2360, 0.3028



30.2383, 0.2860, 0.3220



14.8980, 0.2954, 0.4867



6.8065, 0.2826, 0.3210



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.



13.4275, 0.2360, 0.3028



22.0460, 0.2246, 0.2957



7.0334, 0.2158, 0.2088



4.4144, 0.2994, 0.3257



11.8113, 0.2117, 0.2821



55.3511, 0.2110, 0.2794

Inverse Universe

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



7.4847, 0.3395, 0.2119



11.0220, 0.3473, 0.1930



12.8094, 0.4223, 0.4224



4.0676, 0.3158, 0.3110



5.3992, 0.3616, 0.1765



25.6549, 0.3640, 0.1779

Previews

White Background



This preview shows how the Yxy color 13.4270, 0.2360, 0.3028 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 13.4270, 0.2360, 0.3028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

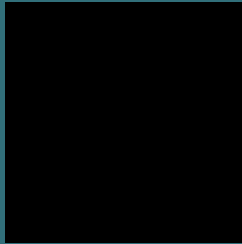
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4270, 0.2360, 0.3028

Background



This preview shows how black text looks on a background with the Yxy color 13.4270, 0.2360, 0.3028.

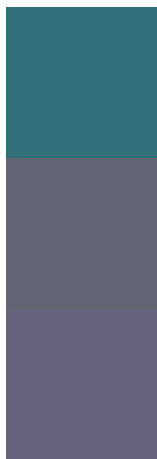


This preview shows how white text looks on a background with the Yxy color 13.4270, 0.2360, 0.3028.

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

13.4270, 0.2360, 0.3028

Protanopia

13.2776, 0.2920, 0.2968

Deuteranopia

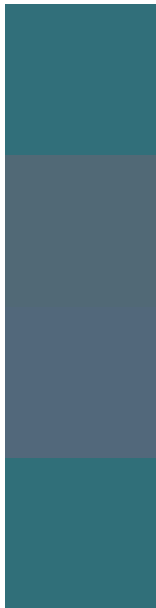
13.3363, 0.2836, 0.2788



Tritanopia

13.3533, 0.2369, 0.3073

Trichromacy



Original Color

13.4270, 0.2360, 0.3028

Protanomaly

13.1605, 0.2666, 0.2995

Deuteranomaly

13.1245, 0.2623, 0.2868

Tritanomaly

13.3777, 0.2361, 0.3050

Monochromacy



Original Color

13.4270, 0.2360, 0.3028

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.7335, 0.2774, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4270, 0.2360, 0.3028 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(49, 111, 122)` looks like.

```
.text, #text, p{  
    color:rgb(49, 111, 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(49, 111, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 111, 122) }
```

Border

The CSS property to change the border of an element to Yxy 13.4270, 0.2360, 0.3028 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(49, 111, 122) }
```

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

```
.border{ border-color:rgb(49, 111, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 111, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 111, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 111, 122);  
box-shadow:4px 4px 4px 4px rgb(49, 111,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4270, 0.2360, 0.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 111, 122) }
```

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

```
.background{ background-color: rgb(49, 111,  
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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