

Converting Colors

$Y_{xy}(10.9075, 0.2768, 0.3776)$

Have a look what the booklet for
Yxy(10.9075, 0.2768, 0.3776)
contains.

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Color

Yxy(10.8470, 0.2767, 0.3753)

Conversions

Conversions Part 1

Format	Color
Hex	3A6554
RGB	58, 101, 84
RGB Percent	23%, 40%, 33%
CMY	0.7727, 0.6039, 0.6706
CMYK	0.43, 0.00, 0.17, 0.60
HSL	156°, 27%, 31%
HSV	156°, 43%, 40%
XYZ	7.9972, 10.8470, 10.0580
YIQ	86.2050, -20.1710, -14.4030

Conversions

Conversions Part 2

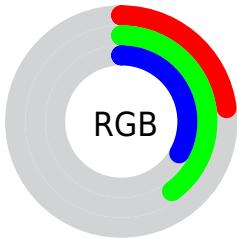
Format	Color
RYB	58, 85, 101
Decimal	3827028
CIELab	39.32, -19.36, 4.97
CIElCh	39, 19.986, 165.593
Yxy	10.8470, 0.2767, 0.3753
Android (android.graphics.Color)	4282017108 (0xFF3A6554)
YUV	86.2050, -1.0871, -24.7358
Hunter-Lab	32.9348, -14.2924, 4.9477

Details

The Yxy color **10.8470, 0.2767, 0.3753** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.2980, 0.3723, 0.2878**, and the grayscale version is **9.3561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3035, 0.2857, 0.3612**, and **2.8364, 0.2553, 0.4055** is the 20% darker color. If you saturate the color by 10%, you get **10.5132, 0.2703, 0.3885**, and if you desaturate by 10%, it is **11.2447, 0.2841, 0.3629**.

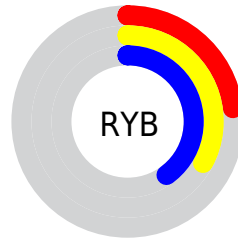
Distribution



Red (23%)

Green (40%)

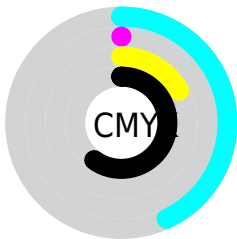
Blue (33%)



Red (23%)

Yellow (33%)

Blue (40%)

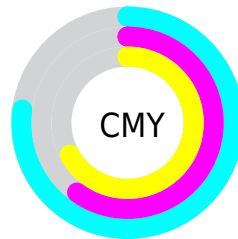


Cyan (43%)

Magenta (0%)

Yellow (17%)

Black (60%)



Cyan (77%)


Magenta (60%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8470, 0.2767, 0.3753 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 10.8470, 0.2767, 0.3753 by changing the saturation by 10% instead.


 10.8470, 0.2767,
0.3753


 10.8470, 0.2767,
0.3753


 196.6149, 0.2993,
0.3460


 5.9640, 0.2685,
0.3863

 27.3769, 0.2865,
0.3625


 2.8232, 0.2553,
0.4040


 39.7926, 0.2896,
0.3584

 1.0402, 0.2187,
0.4475

 55.4881, 0.2921,
0.3552

 0.0000, 0.0000,
0.0000

 74.8476, 0.2941,
0.3526

 98.2557, 0.2957,
0.3505

 126.0967, 0.2971,

0.3488

158.7549, 0.2983,
0.3473

■ 10.8470, 0.2767,
0.3753

■ 10.8470, 0.2767,
0.3753

■ 10.5132, 0.2703,
0.3885

■ 11.2447, 0.2841,
0.3629

■ 10.2384, 0.2653,
0.4023

■ 11.7081, 0.2924,
0.3514

■ 10.0191, 0.2617,
0.4166


■ 12.2409, 0.3012,
0.3409

■ 9.8509, 0.2599,
0.4311


■ 12.8457, 0.3103,
0.3313

■ 9.7275, 0.2599,
0.4455

■ 13.5254, 0.3196,
0.3227

 9.6465, 0.2601,
0.4563

 14.2824, 0.3288,
0.3150

 15.1192, 0.3380,
0.3082

 16.0381, 0.3469,
0.3021

 17.0413, 0.3555,
0.2968

Harmonies

Analogous

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



10.8470, 0.3202, 0.4054



10.8470, 0.2767, 0.3753



10.8470, 0.2443, 0.3309

Triad

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



10.8470, 0.2767, 0.3753



10.8470, 0.2601, 0.2560



10.8470, 0.4032, 0.3575

Complementary

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



10.8470, 0.2767, 0.3753



6.2980, 0.3723, 0.2878

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.



10.8470, 0.3852, 0.3211



10.8470, 0.2767, 0.3753



10.8470, 0.2999, 0.2650

Square

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



10.8470, 0.2767, 0.3753



10.8470, 0.2356, 0.2640



10.8470, 0.3462, 0.2882



10.8470, 0.3946, 0.3902

Rectangle

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



10.8470, 0.2767, 0.3753



10.8470, 0.2326, 0.3024



10.8470, 0.3462, 0.2882



10.8470, 0.4001, 0.3454

Sweetspot

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



10.8474, 0.2767, 0.3753



20.9380, 0.3005, 0.3417



11.1173, 0.3313, 0.4419



5.1124, 0.2990, 0.3434



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.8474, 0.2767, 0.3753



18.0553, 0.2704, 0.3883



10.3331, 0.2563, 0.3175



3.1678, 0.3045, 0.3373



12.6390, 0.2606, 0.4583



65.7433, 0.2629, 0.4665

Inverse Universe

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



6.2980, 0.3723, 0.2878



9.1229, 0.3932, 0.2786



6.5474, 0.4084, 0.3399



2.8627, 0.3217, 0.3209



3.8202, 0.5295, 0.2690



19.7619, 0.5439, 0.2770

Previews

White Background



This preview shows how the Yxy color 10.8470, 0.2767, 0.3753 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 10.8470, 0.2767, 0.3753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

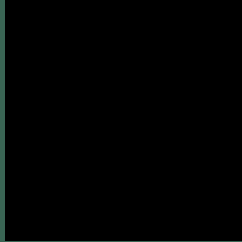
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8470, 0.2767, 0.3753

Background



This preview shows how black text looks on a background with the Yxy color 10.8470, 0.2767, 0.3753.

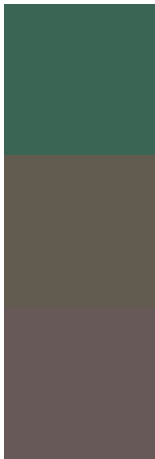


This preview shows how white text looks on a background with the Yxy color 10.8470, 0.2767, 0.3753.

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

10.8470, 0.2767, 0.3753

Protanopia

10.7602, 0.3405, 0.3603

Deuteranopia

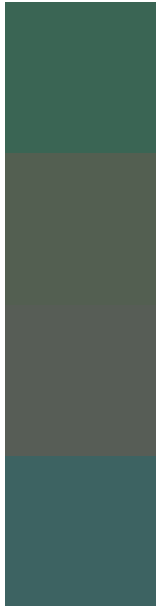
10.7164, 0.3390, 0.3337



Tritanopia

10.8327, 0.2569, 0.3086

Trichromacy



Original Color

10.8470, 0.2767, 0.3753

Protanomaly

10.6175, 0.3141, 0.3647

Deuteranomaly

10.5268, 0.3135, 0.3464

Tritanomaly

10.7976, 0.2637, 0.3315

Monochromacy



Original Color

10.8470, 0.2767, 0.3753

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.6745, 0.2980, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8470, 0.2767, 0.3753 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(58, 101, 84)` looks like.

```
.text, #text, p{  
    color:rgb(58, 101, 84)  
}
```

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(58, 101, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 101, 84) }
```

Border

The CSS property to change the border of an element to Yxy 10.8470, 0.2767, 0.3753 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(58, 101, 84) }
```

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

```
.border{ border-color:rgb(58, 101, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 101, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 101, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 101, 84);  
box-shadow:4px 4px 4px 4px rgb(58, 101,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8470, 0.2767, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 101, 84) }
```

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

```
.background{ background-color: rgb(58, 101,  
84) }
```

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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