

Converting Colors

$Y_{xy}(12.5249, 0.2755, 0.3863)$

Have a look what the booklet for
Yxy(12.5249, 0.2755, 0.3863)
contains.

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Color

Yxy(12.5249, 0.2755, 0.3863)

Conversions

Conversions Part 1

Format	Color
Hex	3A6D57
RGB	58, 109, 87
RGB Percent	23%, 43%, 34%
CMY	0.7727, 0.5725, 0.6588
CMYK	0.47, 0.00, 0.20, 0.57
HSL	154°, 31%, 33%
HSV	154°, 47%, 43%
XYZ	8.9325, 12.5249, 10.9654
YIQ	91.2430, -23.3340, -17.6540

Conversions

Conversions Part 2

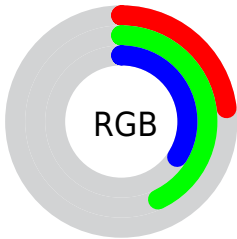
Format	Color
RYB	58, 91, 109
Decimal	3829079
CIELab	42.04, -22.84, 7.02
CIELCh	42, 23.894, 162.924
Yxy	12.5249, 0.2755, 0.3863
Android (android.graphics.Color)	4282019159 (0xFF3A6D57)
YUV	91.2430, -2.0918, -29.1541
Hunter-Lab	35.3905, -16.8806, 6.4030

Details

The Yxy color **12.5249, 0.2755, 0.3863** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.8526, 0.3776, 0.2793**, and the grayscale version is **10.5272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4840, 0.2851, 0.3707**, and **3.5369, 0.2545, 0.4188** is the 20% darker color. If you saturate the color by 10%, you get **12.1585, 0.2700, 0.4013**, and if you desaturate by 10%, it is **12.9665, 0.2822, 0.3722**.

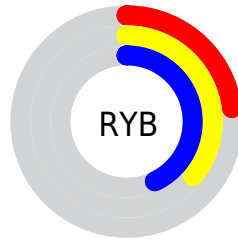
Distribution



Red (23%)

Green (43%)

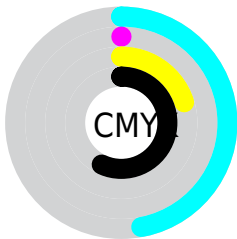
Blue (34%)



Red (23%)

Yellow (36%)

Blue (43%)

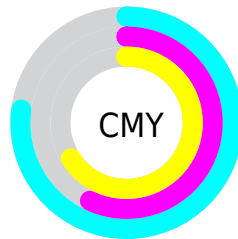


Cyan (47%)

Magenta (0%)

Yellow (20%)

Black (57%)



Cyan (77%)


Magenta (57%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5249, 0.2755, 0.3863 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 12.5249, 0.2755, 0.3863 by changing the saturation by 10% instead.


 12.5249, 0.2755,
0.3863


 12.5249, 0.2755,
0.3863


207.8500, 0.2986,
0.3504


 7.1022, 0.2673,
0.3993


 30.4476, 0.2854,
0.3708


 3.5261, 0.2545,
0.4199

 43.7163, 0.2886,
0.3658


 1.4122, 0.2301,
0.4582

 60.3693, 0.2911,
0.3619

 0.2257, 0.0000,
1.0000

 80.7907, 0.2932,
0.3587

 0.0000, 0.0000,
0.0000

 105.3651, 0.2949,
0.3561

 134.4769, 0.2963,

0.3539

168.5104, 0.2975,
0.3521

■ 12.5249, 0.2755,
0.3863

■ 12.5249, 0.2755,
0.3863

■ 12.1585, 0.2700,
0.4013

■ 12.9665, 0.2822,
0.3722

■ 11.8612, 0.2659,
0.4169

■ 13.4859, 0.2898,
0.3590

■ 11.6286, 0.2634,
0.4328

■ 14.0875, 0.2981,
0.3469

■ 11.4550, 0.2628,
0.4488

■ 14.7746, 0.3067,
0.3359

■ 11.3258, 0.2635,
0.4646

■ 15.5508, 0.3155,
0.3260

■ 11.2868, 0.2638,
0.4696

■ 16.4191, 0.3244,
0.3171

■ 17.3825, 0.3331,
0.3092

■ 18.4440, 0.3417,
0.3023

■ 19.6062, 0.3500,
0.2961

Harmonies

Analogous

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



12.5249, 0.3252, 0.4187



12.5249, 0.2755, 0.3863



12.5249, 0.2378, 0.3354

Triad

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



12.5249, 0.2755, 0.3863



12.5249, 0.2499, 0.2468



12.5249, 0.4153, 0.3567

Complementary

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



12.5249, 0.2755, 0.3863



6.8526, 0.3776, 0.2793

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.



12.5249, 0.3922, 0.3160



12.5249, 0.2755, 0.3863



12.5249, 0.2934, 0.2555

Square

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



12.5249, 0.2755, 0.3863



12.5249, 0.2243, 0.2571



12.5249, 0.3461, 0.2801



12.5249, 0.4077, 0.3948

Rectangle

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



12.5249, 0.2755, 0.3863



12.5249, 0.2235, 0.3021



12.5249, 0.3461, 0.2801



12.5249, 0.4109, 0.3430

Sweetspot

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



12.5254, 0.2755, 0.3863



25.5081, 0.3001, 0.3441



12.9529, 0.3351, 0.4546



5.8907, 0.2987, 0.3460



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.5254, 0.2755, 0.3863



21.7261, 0.2696, 0.4024



12.2293, 0.2519, 0.3204



3.4709, 0.3048, 0.3381



13.1948, 0.2641, 0.4708



67.0568, 0.2665, 0.4795

Inverse Universe

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



6.8526, 0.3776, 0.2793



10.2268, 0.4007, 0.2690



6.9334, 0.4259, 0.3371



3.1364, 0.3213, 0.3201



4.0378, 0.5158, 0.2615



20.4067, 0.5292, 0.2689

Previews

White Background



This preview shows how the Yxy color 12.5249, 0.2755, 0.3863 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 12.5249, 0.2755, 0.3863 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 12.5249, 0.2755, 0.3863

Background



This preview shows how black text looks on a background with the Yxy color 12.5249, 0.2755, 0.3863.



This preview shows how white text looks on a background with the Yxy color 12.5249, 0.2755, 0.3863.

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

12.5249, 0.2755, 0.3863

Protanopia

12.4759, 0.3445, 0.3675

Deuteranopia

12.3673, 0.3469, 0.3399



Tritanopia

12.4419, 0.2536, 0.3073

Trichromacy



Original Color

12.5249, 0.2755, 0.3863

Protanomaly

12.3668, 0.3148, 0.3750

Deuteranomaly

12.1109, 0.3159, 0.3551

Tritanomaly

12.3317, 0.2609, 0.3338

Monochromacy



Original Color

12.5249, 0.2755, 0.3863

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.1358, 0.2959, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5249, 0.2755, 0.3863 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, 109, 87)` looks like.

```
.text, #text, p{  
    color:rgb(58, 109, 87)  
}
```

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, 109, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 109, 87) }
```

Border

The CSS property to change the border of an element to Yxy 12.5249, 0.2755, 0.3863 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, 109, 87) }
```

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

```
.border{ border-color:rgb(58, 109, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 109, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 109, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 109, 87);  
box-shadow:4px 4px 4px 4px rgb(58, 109,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5249, 0.2755, 0.3863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 109, 87) }
```

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

```
.background{ background-color: rgb(58, 109,  
87) }
```

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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