

Converting Colors

$Y_{xy}(13.0531, 0.3163, 0.3858)$

Have a look what the booklet for
Yxy(13.0531, 0.3163, 0.3858)
contains.

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Color

Yxy(12.9588, 0.3156, 0.3842)

Conversions

Conversions Part 1

Format	Color
Hex	576A53
RGB	87, 106, 83
RGB Percent	34%, 42%, 33%
CMY	0.6589, 0.5843, 0.6745
CMYK	0.18, 0.00, 0.22, 0.58
HSL	110°, 12%, 37%
HSV	110°, 22%, 42%
XYZ	10.6450, 12.9588, 10.1255
YIQ	97.6970, -3.9410, -11.1810

Conversions

Conversions Part 2

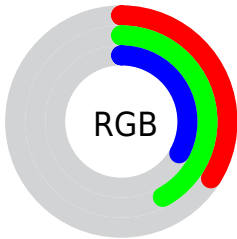
Format	Color
R_{YB}	83, 106, 102
Decimal	5728851
CIE _{Lab}	42.70, -12.01, 10.60
CIE _{LCh}	43, 16.017, 138.575
Yxy	12.9588, 0.3156, 0.3842
Android (android.graphics.Color)	4283918931 (0xFF576A53)
YUV	97.6970, -7.2456, -9.3813
Hunter-Lab	35.9983, -10.2133, 8.5219

Details

The Yxy color **12.9588, 0.3156, 0.3842** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.0552, 0.3086, 0.2776**, and the grayscale version is **12.1537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1258, 0.3148, 0.3682**, and **3.7393, 0.3152, 0.4167** is the 20% darker color. If you saturate the color by 10%, you get **12.4113, 0.3165, 0.4136**, and if you desaturate by 10%, it is **13.5837, 0.3144, 0.3572**.

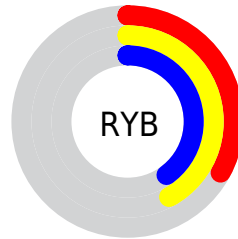
Distribution



Red (34%)

Green (42%)

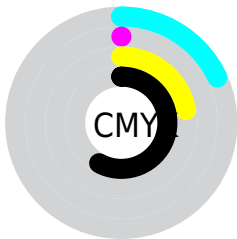
Blue (33%)



Red (33%)

Yellow (42%)

Blue (40%)

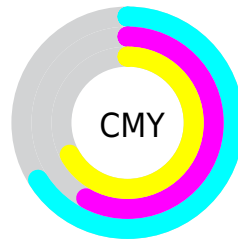


Cyan (18%)

Magenta (0%)

Yellow (22%)

Black (58%)



Cyan (66%)


Magenta (58%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9588, 0.3156, 0.3842 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 12.9588, 0.3156, 0.3842 by changing the saturation by 10% instead.


 12.9588, 0.3156,
0.3842


 12.9588, 0.3156,
0.3842


210.6535, 0.3143,
0.3500


 7.4002, 0.3157,
0.3964


 31.2297, 0.3152,
0.3695


 3.7136, 0.3155,
0.4153

 44.7109, 0.3150,
0.3648

 1.5147, 0.3150,
0.4502

 61.6016, 0.3149,
0.3610

 0.2990, 0.0000,
1.0000

 82.2864, 0.3147,
0.3580

 0.0000, 0.0000,
0.0000

 107.1495, 0.3146,
0.3554

136.5755, 0.3145,

0.3533

170.9487, 0.3144,
0.3515

■ 12.9588, 0.3156,
0.3842

■ 12.9588, 0.3156,
0.3842

■ 12.4113, 0.3165,
0.4136

■ 13.5837, 0.3144,
0.3572

■ 11.9366, 0.3170,
0.4449

■ 14.2873, 0.3130,
0.3329

■ 11.5320, 0.3170,
0.4771

■ 15.0725, 0.3115,
0.3112

■ 11.1943, 0.3162,
0.5086

■ 15.9421, 0.3099,
0.2921

■ 10.9197, 0.3147,
0.5376

■ 16.8984, 0.3084,
0.2753

■ 10.7041, 0.3124,
0.5622

■ 17.9438, 0.3069,
0.2605

■ 10.5430, 0.3095,
0.5808

■ 19.0804, 0.3055,
0.2476

■ 10.4409, 0.3077,
0.5939

■ 20.3105, 0.3041,
0.2363

■ 21.6361, 0.3028,
0.2264

Harmonies

Analogous

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



12.9588, 0.3489, 0.3902



12.9588, 0.3156, 0.3842



12.9588, 0.2827, 0.3605

Triad

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



12.9588, 0.3156, 0.3842



12.9588, 0.2547, 0.2783



12.9588, 0.3694, 0.3263

Complementary

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



12.9588, 0.3156, 0.3842



10.0552, 0.3086, 0.2776

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.



12.9588, 0.3416, 0.3000



12.9588, 0.3156, 0.3842



12.9588, 0.2753, 0.2728

Square

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



12.9588, 0.3156, 0.3842



12.9588, 0.2488, 0.2976



12.9588, 0.3068, 0.2809



12.9588, 0.3811, 0.3546

Rectangle

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



12.9588, 0.3156, 0.3842



12.9588, 0.2653, 0.3389



12.9588, 0.3068, 0.2809



12.9588, 0.3616, 0.3171

Sweetspot

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



12.9594, 0.3156, 0.3842



24.3754, 0.3138, 0.3459



13.1506, 0.3450, 0.3708



5.7004, 0.3138, 0.3467



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.9594, 0.3156, 0.3842



22.2419, 0.3161, 0.3987



12.8918, 0.3011, 0.3669



3.4676, 0.3140, 0.3503



12.9442, 0.3072, 0.5943



65.6828, 0.3047, 0.5963

Inverse Universe

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



10.0552, 0.3086, 0.2776



16.1752, 0.3074, 0.2652



10.1480, 0.3266, 0.2939



3.1388, 0.3112, 0.3083



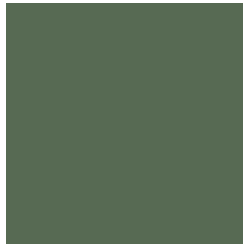
3.8341, 0.2792, 0.1312



19.2044, 0.2768, 0.1298

Previews

White Background



This preview shows how the Yxy color 12.9588, 0.3156, 0.3842 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 12.9588, 0.3156, 0.3842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

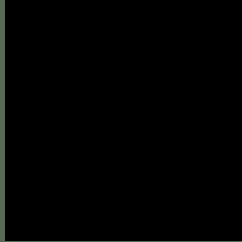
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9588, 0.3156, 0.3842

Background



This preview shows how black text looks on a background with the Yxy color 12.9588, 0.3156, 0.3842.

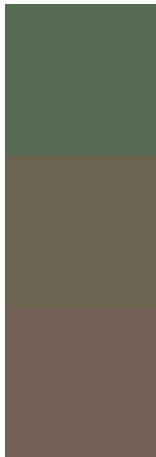


This preview shows how white text looks on a background with the Yxy color 12.9588, 0.3156, 0.3842.

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

12.9588, 0.3156, 0.3842

Protanopia

12.8193, 0.3517, 0.3736

Deuteranopia

12.9183, 0.3600, 0.3546



Tritanopia

12.8527, 0.2874, 0.3109

Trichromacy



Original Color

12.9588, 0.3156, 0.3842

Protanomaly

12.8061, 0.3385, 0.3772

Deuteranomaly

12.7577, 0.3428, 0.3649

Tritanomaly

12.7943, 0.2984, 0.3359

Monochromacy



Original Color

12.9588, 0.3156, 0.3842

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.4774, 0.3133, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9588, 0.3156, 0.3842 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(87, 106, 83)` looks like.

```
.text, #text, p{  
  color:rgb(87, 106, 83)  
}
```

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(87, 106, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 106, 83) }
```

Border

The CSS property to change the border of an element to Yxy 12.9588, 0.3156, 0.3842 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(87, 106, 83) }
```

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

```
.border{ border-color:rgb(87, 106, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 106, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 106, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 106, 83);  
box-shadow:4px 4px 4px 4px rgb(87, 106,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9588, 0.3156, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 106, 83) }
```

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

```
.background{ background-color: rgb(87, 106,  
83) }
```

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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