

Converting Colors

$Y_{xy}(13.9561, 0.2612, 0.3859)$

Have a look what the booklet for
Yxy(13.9561, 0.2612, 0.3859)
contains.

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Color

Yxy(13.9033, 0.2613, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	2F745E
RGB	47, 116, 94
RGB Percent	18%, 45%, 37%
CMY	0.8157, 0.5451, 0.6313
CMYK	0.59, 0.00, 0.19, 0.55
HSL	161°, 42%, 32%
HSV	161°, 59%, 45%
XYZ	9.4386, 13.9033, 12.7799
YIQ	92.8610, -34.0620, -21.4700

Conversions

Conversions Part 2

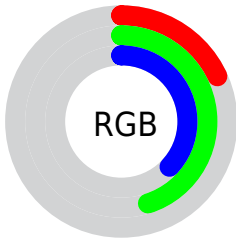
Format	Color
R_{YB}	47, 88, 116
Decimal	3109982
CIE _{Lab}	44.09, -27.49, 5.69
CIE _{LCh}	44, 28.067, 168.310
Yxy	13.9033, 0.2613, 0.3849
Android (android.graphics.Color)	4281300062 (0xFF2F745E)
YUV	92.8610, 0.5615, -40.2201
Hunter-Lab	37.2871, -20.0681, 5.7797

Details

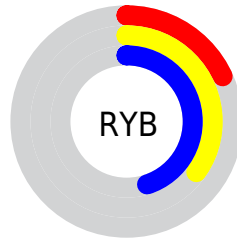
The Yxy color **13.9033, 0.2613, 0.3849** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.1756, 0.4263, 0.2833**, and the grayscale version is **10.9174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0989, 0.2748, 0.3716**, and **4.2277, 0.2479, 0.4126** is the 20% darker color. If you saturate the color by 10%, you get **13.5991, 0.2568, 0.3963**, and if you desaturate by 10%, it is **14.2851, 0.2674, 0.3739**.

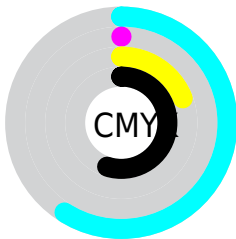
Distribution



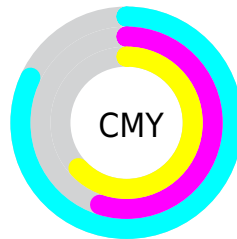
- Red (18%)
- Green (45%)
- Blue (37%)



- Red (18%)
- Yellow (35%)
- Blue (45%)



- Cyan (59%)
- Magenta (0%)
- Yellow (19%)
- Black (55%)





- Cyan (82%)
- Magenta (55%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9033, 0.2613, 0.3849 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 13.9033, 0.2613, 0.3849 by changing the saturation by 10% instead.


 13.9033, 0.2613,
0.3849


 13.9033, 0.2613,
0.3849


216.6284, 0.2925,
0.3505


 8.0534, 0.2508,
0.3969


 32.9174, 0.2744,
0.3703


 4.1292, 0.2349,
0.4155

 46.8503, 0.2787,
0.3655


 1.7461, 0.2082,
0.4477

 64.2465, 0.2822,
0.3617

 0.4532, 0.0000,
0.8254

 85.4902, 0.2850,
0.3586

 0.0000, 0.0000,
0.0000

 110.9658, 0.2873,
0.3561

 141.0578, 0.2893,

0.3539

176.1506, 0.2910,
0.3521

■ 13.9033, 0.2613,
0.3849

■ 13.9033, 0.2613,
0.3849

■ 13.5991, 0.2568,
0.3963

■ 14.2851, 0.2674,
0.3739

■ 13.3648, 0.2540,
0.4079

■ 14.7482, 0.2749,
0.3634

■ 13.1941, 0.2531,
0.4195

■ 15.2980, 0.2835,
0.3536

■ 13.0629, 0.2533,
0.4312

■ 15.9390, 0.2929,
0.3445

■ 13.0562, 0.2533,
0.4318

■ 16.6753, 0.3029,
0.3362

■ 17.5108, 0.3133,
0.3286

■ 18.4492, 0.3238,
0.3218

■ 19.4939, 0.3343,
0.3157

■ 20.6484, 0.3447,
0.3104

Harmonies

Analogous

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



13.9033, 0.3156, 0.4277



13.9033, 0.2613, 0.3849



13.9033, 0.2230, 0.3249

Triad

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



13.9033, 0.2613, 0.3849



13.9033, 0.2494, 0.2373



13.9033, 0.4300, 0.3671

Complementary

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



13.9033, 0.2613, 0.3849



6.1756, 0.4263, 0.2833

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.



13.9033, 0.4101, 0.3217



13.9033, 0.2613, 0.3849



13.9033, 0.3008, 0.2506

Square

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



13.9033, 0.2613, 0.3849



13.9033, 0.2172, 0.2442



13.9033, 0.3609, 0.2806



13.9033, 0.4147, 0.4088

Rectangle

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



13.9033, 0.2613, 0.3849



13.9033, 0.2103, 0.2888



13.9033, 0.3609, 0.2806



13.9033, 0.4273, 0.3519

Sweetspot

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



13.9039, 0.2613, 0.3849



28.1425, 0.2939, 0.3436



13.9984, 0.3294, 0.4967



6.6452, 0.2916, 0.3457



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.9039, 0.2613, 0.3849



23.7546, 0.2557, 0.4001



11.8671, 0.2360, 0.3003



4.1364, 0.3033, 0.3358



14.6483, 0.2535, 0.4324



71.2222, 0.2552, 0.4386

Inverse Universe

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



6.1756, 0.4263, 0.2833



8.8460, 0.4686, 0.2780



6.9951, 0.4674, 0.3533



3.7183, 0.3231, 0.3223



4.3133, 0.5607, 0.2862



20.8790, 0.5742, 0.2937

Previews

White Background



This preview shows how the Yxy color 13.9033, 0.2613, 0.3849 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 13.9033, 0.2613, 0.3849 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 13.9033, 0.2613, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 13.9033, 0.2613, 0.3849.

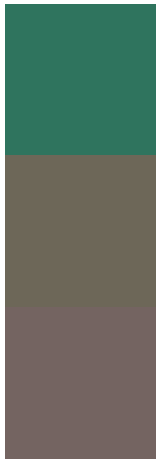


This preview shows how white text looks on a background with the Yxy color 13.9033, 0.2613, 0.3849.

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

13.9033, 0.2613, 0.3849

Protanopia

13.6563, 0.3421, 0.3616

Deuteranopia

13.6904, 0.3409, 0.3353



Tritanopia

13.8387, 0.2432, 0.3078

Trichromacy



Original Color

13.9033, 0.2613, 0.3849

Protanomaly

13.4417, 0.3054, 0.3716

Deuteranomaly

13.3767, 0.3048, 0.3521

Tritanomaly

13.7148, 0.2492, 0.3337

Monochromacy



Original Color

13.9033, 0.2613, 0.3849

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.6342, 0.2882, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9033, 0.2613, 0.3849 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(47, 116, 94)` looks like.

```
.text, #text, p{  
    color:rgb(47, 116, 94)  
}
```

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(47, 116, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 116, 94) }
```

Border

The CSS property to change the border of an element to Yxy 13.9033, 0.2613, 0.3849 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(47, 116, 94) }
```

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

```
.border{ border-color:rgb(47, 116, 94) }
```

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

Here you see how a box with a 4 pixel rgb(47, 116, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 116, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 116, 94);  
box-shadow:4px 4px 4px 4px rgb(47, 116,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9033, 0.2613, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 116, 94) }
```

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

```
.background{ background-color: rgb(47, 116,  
94) }
```

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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