

Converting Colors

$Y_{xy}(13.3336, 0.3236, 0.3903)$

Have a look what the booklet for
Yxy(13.3336, 0.3236, 0.3903)
contains.

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Color

Yxy(13.3336, 0.3236, 0.3903)

Conversions

Conversions Part 1

Format	Color
Hex	5B6B51
RGB	91, 107, 81
RGB Percent	36%, 42%, 32%
CMY	0.6432, 0.5804, 0.6824
CMYK	0.15, 0.00, 0.24, 0.58
HSL	97°, 14%, 37%
HSV	97°, 24%, 42%
XYZ	11.0550, 13.3336, 9.7739
YIQ	99.2520, -1.1900, -11.4780

Conversions

Conversions Part 2

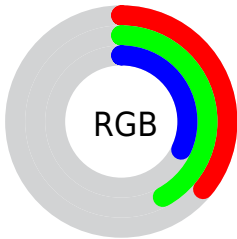
Format	Color
R_{YB}	81, 107, 97
Decimal	5991249
CIE _{Lab}	43.26, -11.37, 12.63
CIE _{LCh}	43, 16.991, 132.007
Yxy	13.3336, 0.3236, 0.3903
Android (android.graphics.Color)	4284181329 (0xFF5B6B51)
YUV	99.2520, -8.9982, -7.2370
Hunter-Lab	36.5152, -9.8608, 9.6907

Details

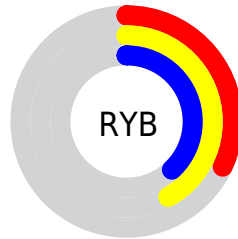
The Yxy color **13.3336, 0.3236, 0.3903** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.4885, 0.2991, 0.2695**, and the grayscale version is **12.5666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7281, 0.3213, 0.3743**, and **3.9170, 0.3279, 0.4258** is the 20% darker color. If you saturate the color by 10%, you get **12.8656, 0.3275, 0.4187**, and if you desaturate by 10%, it is **13.8576, 0.3192, 0.3636**.

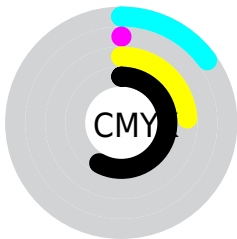
Distribution



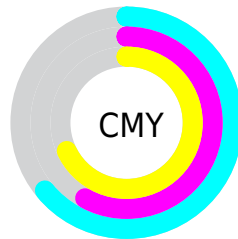
- Red (36%)
- Green (42%)
- Blue (32%)



- Red (32%)
- Yellow (42%)
- Blue (38%)



- Cyan (15%)
- Magenta (0%)
- Yellow (24%)
- Black (58%)





- Cyan (64%)
- Magenta (58%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.3336, 0.3236, 0.3903 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 13.3336, 0.3236, 0.3903 by changing the saturation by 10% instead.


 13.3336, 0.3236,
0.3903


 13.3336, 0.3236,
0.3903


213.0447, 0.3175,
0.3525


 7.6587, 0.3252,
0.4036


 31.9018, 0.3213,
0.3741


 3.8773, 0.3272,
0.4242

 45.5639, 0.3204,
0.3689

 1.6052, 0.3311,
0.4626

 62.6571, 0.3197,
0.3647

 0.3611, 0.1538,
0.8462

 83.5660, 0.3192,
0.3613

 0.0000, 0.0000,
0.0000

 108.6747, 0.3187,
0.3585

138.3679, 0.3182,

0.3562

173.0297, 0.3179,
0.3542

■ 13.3336, 0.3236,
0.3903

■ 13.3336, 0.3236,
0.3903

■ 12.8656, 0.3275,
0.4187

■ 13.8576, 0.3192,
0.3636

■ 12.4498, 0.3308,
0.4482

■ 14.4376, 0.3147,
0.3389

■ 12.0848, 0.3331,
0.4779

■ 15.0759, 0.3101,
0.3165

■ 11.7684, 0.3340,
0.5063

■ 15.7743, 0.3056,
0.2963

■ 11.4982, 0.3335,
0.5320

■ 16.5342, 0.3013,
0.2783

■ 11.2714, 0.3313,
0.5537

■ 17.3573, 0.2971,
0.2621

■ 11.0841, 0.3276,
0.5705

■ 18.2451, 0.2933,
0.2478

■ 10.9899, 0.3257,
0.5796

■ 19.1988, 0.2896,
0.2351

■ 20.2200, 0.2862,
0.2237

Harmonies

Analogous

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



13.3336, 0.3574, 0.3920



13.3336, 0.3236, 0.3903



13.3336, 0.2882, 0.3689

Triad

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



13.3336, 0.3236, 0.3903



13.3336, 0.2491, 0.2790



13.3336, 0.3671, 0.3197

Complementary

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



13.3336, 0.3236, 0.3903



9.4885, 0.2991, 0.2695

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.



13.3336, 0.3353, 0.2934



13.3336, 0.3236, 0.3903



13.3336, 0.2676, 0.2701

Square

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



13.3336, 0.3236, 0.3903



13.3336, 0.2466, 0.3021



13.3336, 0.2986, 0.2757



13.3336, 0.3837, 0.3493

Rectangle

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



13.3336, 0.3236, 0.3903



13.3336, 0.2684, 0.3471



13.3336, 0.2986, 0.2757



13.3336, 0.3577, 0.3103

Sweetspot

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



13.3342, 0.3236, 0.3903



25.5373, 0.3160, 0.3458



12.1966, 0.3519, 0.3641



6.1718, 0.3162, 0.3467



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.



13.3342, 0.3236, 0.3903



23.3982, 0.3258, 0.4058



12.9002, 0.3065, 0.3863



3.4961, 0.3168, 0.3501



13.3504, 0.3250, 0.5802



67.5584, 0.3211, 0.5832

Inverse Universe

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



9.4885, 0.2991, 0.2695



15.2679, 0.2952, 0.2550



10.0179, 0.3195, 0.2777



3.1088, 0.3083, 0.3081



2.6809, 0.2302, 0.1042



13.1499, 0.2253, 0.1015

Previews

White Background



This preview shows how the Yxy color 13.3336, 0.3236, 0.3903 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 13.3336, 0.3236, 0.3903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

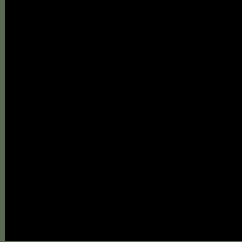
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3336, 0.3236, 0.3903

Background



This preview shows how black text looks on a background with the Yxy color 13.3336, 0.3236, 0.3903.



This preview shows how white text looks on a background with the Yxy color 13.3336, 0.3236, 0.3903.

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

13.3336, 0.3236, 0.3903

Protanopia

13.3185, 0.3553, 0.3795

Deuteranopia

13.2115, 0.3657, 0.3606



Tritanopia

13.3350, 0.2929, 0.3113

Trichromacy



Original Color

13.3336, 0.3236, 0.3903

Protanomaly

13.3046, 0.3422, 0.3833

Deuteranomaly

13.1047, 0.3499, 0.3710

Tritanomaly

13.2004, 0.3039, 0.3381

Monochromacy



Original Color

13.3336, 0.3236, 0.3903

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.7622, 0.3174, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3336, 0.3236, 0.3903 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(91, 107, 81)` looks like.

```
.text, #text, p{  
    color:rgb(91, 107, 81)  
}
```

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(91, 107, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 107, 81) }
```

Border

The CSS property to change the border of an element to Yxy 13.3336, 0.3236, 0.3903 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(91, 107, 81) }
```

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

```
.border{ border-color:rgb(91, 107, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 107, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 107, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 107, 81);  
box-shadow:4px 4px 4px 4px rgb(91, 107,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3336, 0.3236, 0.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 107, 81) }
```

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

```
.background{ background-color: rgb(91, 107,  
81) }
```

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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