

Converting Colors

$Y_{xy}(12.9275, 0.2888, 0.3843)$

Have a look what the booklet for
Yxy(12.9275, 0.2888, 0.3843)
contains.

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Color

Yxy(12.9275, 0.2888, 0.3843)

Conversions

Conversions Part 1

Format	Color
Hex	466D57
RGB	70, 109, 87
RGB Percent	27%, 43%, 34%
CMY	0.7254, 0.5725, 0.6589
CMYK	0.36, 0.00, 0.20, 0.57
HSL	146°, 22%, 35%
HSV	146°, 36%, 43%
XYZ	9.7150, 12.9275, 10.9966
YIQ	94.8310, -16.1820, -15.1100

Conversions

Conversions Part 2

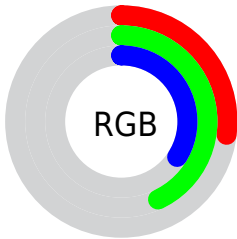
Format	Color
R_{YB}	70, 97, 109
Decimal	4615511
CIE _{Lab}	42.65, -19.04, 7.99
CIE _{LCh}	43, 20.648, 157.238
Yxy	12.9275, 0.2888, 0.3843
Android (android.graphics.Color)	4282805591 (0xFF466D57)
YUV	94.8310, -3.8607, -21.7768
Hunter-Lab	35.9548, -14.6904, 7.0348

Details

The Yxy color **12.9275, 0.2888, 0.3843** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.4067, 0.3472, 0.2798**, and the grayscale version is **11.4142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2890, 0.2953, 0.3695**, and **3.6868, 0.2741, 0.4142** is the 20% darker color. If you saturate the color by 10%, you get **12.4624, 0.2833, 0.4031**, and if you desaturate by 10%, it is **13.4759, 0.2950, 0.3669**.

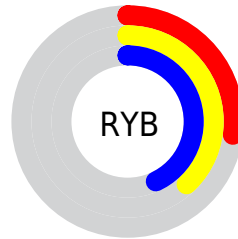
Distribution



Red (27%)

Green (43%)

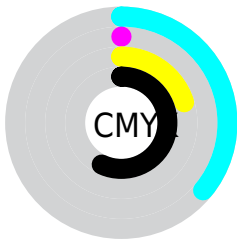
Blue (34%)



Red (27%)

Yellow (38%)

Blue (43%)

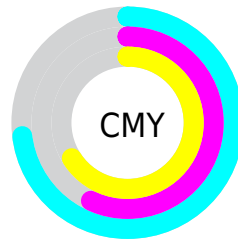


Cyan (36%)

Magenta (0%)

Yellow (20%)

Black (57%)



Cyan (73%)


Magenta (57%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9275, 0.2888, 0.3843 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 12.9275, 0.2888, 0.3843 by changing the saturation by 10% instead.


 12.9275, 0.2888,
0.3843


 12.9275, 0.2888,
0.3843


210.4525, 0.3037,
0.3498


 7.3786, 0.2834,
0.3967


 31.1735, 0.2953,
0.3695


 3.7000, 0.2749,
0.4162

 44.6394, 0.2973,
0.3647


 1.5072, 0.2595,
0.4511

 61.5131, 0.2990,
0.3609

 0.2938, 0.0000,
1.0000

 82.1790, 0.3003,
0.3578

 0.0000, 0.0000,
0.0000

 107.0215, 0.3014,
0.3553

136.4250, 0.3023,

0.3532

170.7739, 0.3031,
0.3514

■ 12.9275, 0.2888,
0.3843

■ 12.9275, 0.2888,
0.3843

■ 12.4624, 0.2833,
0.4031

■ 13.4759, 0.2950,
0.3669

■ 12.0747, 0.2788,
0.4231

■ 14.1098, 0.3017,
0.3510

■ 11.7604, 0.2756,
0.4438


■ 14.8335, 0.3087,
0.3366

■ 11.5144, 0.2739,
0.4648

■ 15.6503, 0.3157,
0.3237

■ 11.3310, 0.2739,
0.4854


■ 16.5635, 0.3226,
0.3123

 11.1980, 0.2754,
0.5052

 17.5761, 0.3294,
0.3022

 11.1464, 0.2760,
0.5134

 18.6912, 0.3360,
0.2933

 19.9114, 0.3423,
0.2855

 21.2397, 0.3483,
0.2786

Harmonies

Analogous

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



12.9275, 0.3324, 0.4072



12.9275, 0.2888, 0.3843



12.9275, 0.2533, 0.3433

Triad

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



12.9275, 0.2888, 0.3843



12.9275, 0.2530, 0.2582



12.9275, 0.3985, 0.3471

Complementary

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



12.9275, 0.2888, 0.3843



8.4067, 0.3472, 0.2798

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.



12.9275, 0.3743, 0.3118



12.9275, 0.2888, 0.3843



12.9275, 0.2884, 0.2625

Square

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



12.9275, 0.2888, 0.3843



12.9275, 0.2339, 0.2710



12.9275, 0.3329, 0.2817



12.9275, 0.3974, 0.3808

Rectangle

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



12.9275, 0.2888, 0.3843



12.9275, 0.2383, 0.3143



12.9275, 0.3329, 0.2817



12.9275, 0.3931, 0.3351

Sweetspot

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



12.9280, 0.2888, 0.3843



25.8233, 0.3048, 0.3444



13.6607, 0.3383, 0.4202



5.9807, 0.3041, 0.3458



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.



12.9280, 0.2888, 0.3843



22.4372, 0.2841, 0.4001



13.2892, 0.2677, 0.3351



3.4646, 0.3064, 0.3410



13.0321, 0.2763, 0.5148



66.2361, 0.2792, 0.5250

Inverse Universe

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



8.4067, 0.3472, 0.2798



13.0283, 0.3585, 0.2681



8.1094, 0.3861, 0.3232



3.1427, 0.3195, 0.3173



4.1989, 0.4616, 0.2316



21.2186, 0.4718, 0.2373

Previews

White Background



This preview shows how the Yxy color 12.9275, 0.2888, 0.3843 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 12.9275, 0.2888, 0.3843 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 12.9275, 0.2888, 0.3843

Background



This preview shows how black text looks on a background with the Yxy color 12.9275, 0.2888, 0.3843.



This preview shows how white text looks on a background with the Yxy color 12.9275, 0.2888, 0.3843.

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

12.9275, 0.2888, 0.3843

Protanopia

12.8030, 0.3458, 0.3670

Deuteranopia

12.8650, 0.3493, 0.3441



Tritanopia

12.8546, 0.2652, 0.3080

Trichromacy



Original Color

12.9275, 0.2888, 0.3843

Protanomaly

12.6677, 0.3236, 0.3738

Deuteranomaly

12.6253, 0.3247, 0.3566

Tritanomaly

12.7634, 0.2739, 0.3337

Monochromacy



Original Color

12.9275, 0.2888, 0.3843

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.8655, 0.3032, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9275, 0.2888, 0.3843 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(70, 109, 87)` looks like.

```
.text, #text, p{  
    color:rgb(70, 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(70, 109, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 109, 87) }
```

Border

The CSS property to change the border of an element to Yxy 12.9275, 0.2888, 0.3843 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(70, 109, 87) }
```

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

```
.border{ border-color:rgb(70, 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(70, 109, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 109, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 109, 87);  
box-shadow:4px 4px 4px 4px rgb(70, 109,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9275, 0.2888, 0.3843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 109, 87) }
```

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

```
.background{ background-color: rgb(70, 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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