

Converting Colors

$Y_{xy}(12.3549, 0.2954, 0.3831)$

Have a look what the booklet for
Yxy(12.3549, 0.2954, 0.3831)
contains.

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Color

Yxy(12.3646, 0.2956, 0.3847)

Conversions

Conversions Part 1

Format	Color
Hex	496A54
RGB	73, 106, 84
RGB Percent	29%, 42%, 33%
CMY	0.7138, 0.5843, 0.6705
CMYK	0.31, 0.00, 0.21, 0.58
HSL	140°, 18%, 35%
HSV	140°, 31%, 42%
XYZ	9.5008, 12.3646, 10.2754
YIQ	93.6250, -12.6060, -13.8380

Conversions

Conversions Part 2

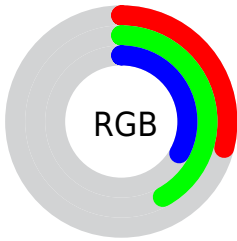
Format	Color
R_{YB}	73, 98, 106
Decimal	4811348
CIE _{Lab}	41.79, -17.05, 8.58
CIE _{LCh}	42, 19.084, 153.278
Yxy	12.3646, 0.2956, 0.3847
Android (android.graphics.Color)	4283001428 (0xFF496A54)
YUV	93.6250, -4.7451, -18.0881
Hunter-Lab	35.1633, -13.3066, 7.2886

Details

The Yxy color **12.3646, 0.2956, 0.3847** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.6522, 0.3353, 0.2792**, and the grayscale version is **11.1132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0461, 0.3005, 0.3681**, and **3.4056, 0.2846, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **11.8808, 0.2908, 0.4063**, and if you desaturate by 10%, it is **12.9312, 0.3009, 0.3648**.

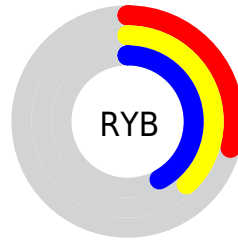
Distribution



Red (29%)

Green (42%)

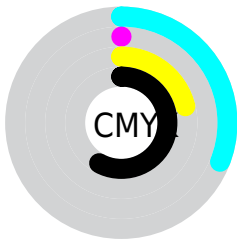
Blue (33%)



Red (29%)

Yellow (38%)

Blue (42%)

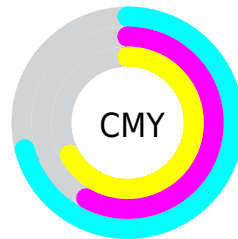


Cyan (31%)

Magenta (0%)

Yellow (21%)

Black (58%)



Cyan (71%)

Magenta (58%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3646, 0.2956, 0.3847 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 12.3646, 0.2956, 0.3847 by changing the saturation by 10% instead.

12.3646, 0.2956,
0.3847

12.3646, 0.2956,
0.3847

206.8043, 0.3065,
0.3498

6.9925, 0.2915,
0.3974

30.1574, 0.3004,
0.3696

3.4574, 0.2848,
0.4175

43.3469, 0.3019,
0.3647

1.3749, 0.2729,
0.4552

59.9111, 0.3031,
0.3609

0.1981, 0.0000,
1.0000

80.2342, 0.3040,
0.3578

0.0000, 0.0000,
0.0000

104.7006, 0.3048,
0.3553

133.6949, 0.3055,

0.3532

167.6013, 0.3060,
0.3514

■ 12.3646, 0.2956,
0.3847

■ 12.3646, 0.2956,
0.3847

■ 11.8808, 0.2908,
0.4063

■ 12.9312, 0.3009,
0.3648

■ 11.4743, 0.2867,
0.4294

■ 13.5827, 0.3064,
0.3469

■ 11.1413, 0.2836,
0.4534


■ 14.3229, 0.3121,
0.3307


■ 10.8774, 0.2818,
0.4778


■ 15.1552, 0.3176,
0.3164

■ 10.6771, 0.2814,
0.5016


■ 16.0826, 0.3231,
0.3038

 10.5345, 0.2826,
0.5238

 17.1081, 0.3283,
0.2927

 10.4331, 0.2839,
0.5421

 18.2343, 0.3333,
0.2829

 19.4640, 0.3381,
0.2744

 20.7998, 0.3425,
0.2669

Harmonies

Analogous

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



12.3646, 0.3368, 0.4031



12.3646, 0.2956, 0.3847



12.3646, 0.2605, 0.3480

Triad

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



12.3646, 0.2956, 0.3847



12.3646, 0.2532, 0.2629



12.3646, 0.3914, 0.3418

Complementary

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



12.3646, 0.2956, 0.3847



8.6522, 0.3353, 0.2792

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.



12.3646, 0.3660, 0.3087



12.3646, 0.2956, 0.3847



12.3646, 0.2848, 0.2649

Square

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



12.3646, 0.2956, 0.3847



12.3646, 0.2374, 0.2774



12.3646, 0.3262, 0.2813



12.3646, 0.3937, 0.3742

Rectangle

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



12.3646, 0.2956, 0.3847



12.3646, 0.2448, 0.3206



12.3646, 0.3262, 0.2813



12.3646, 0.3853, 0.3305

Sweetspot

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



12.3651, 0.2956, 0.3847



24.0710, 0.3075, 0.3436



13.2227, 0.3401, 0.4060



5.6067, 0.3069, 0.3455



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.



12.3651, 0.2956, 0.3847



21.1001, 0.2922, 0.3994



12.6547, 0.2766, 0.3423



3.4599, 0.3077, 0.3432



12.9403, 0.2845, 0.5441



65.7898, 0.2872, 0.5541

Inverse Universe

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



8.6522, 0.3353, 0.2792



13.5265, 0.3418, 0.2680



8.3835, 0.3666, 0.3163



3.1476, 0.3181, 0.3152



4.3544, 0.4226, 0.2102



22.0214, 0.4300, 0.2142

Previews

White Background



This preview shows how the Yxy color 12.3646, 0.2956, 0.3847 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 12.3646, 0.2956, 0.3847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

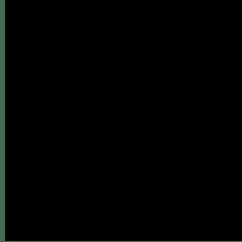
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3646, 0.2956, 0.3847

Background



This preview shows how black text looks on a background with the Yxy color 12.3646, 0.2956, 0.3847.



This preview shows how white text looks on a background with the Yxy color 12.3646, 0.2956, 0.3847.

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

12.3646, 0.2956, 0.3847

Protanopia

12.2576, 0.3479, 0.3700

Deuteranopia

12.3010, 0.3530, 0.3487



Tritanopia

12.2701, 0.2699, 0.3077

Trichromacy



Original Color

12.3646, 0.2956, 0.3847

Protanomaly

12.2286, 0.3281, 0.3767

Deuteranomaly

12.1762, 0.3308, 0.3616

Tritanomaly

12.1766, 0.2790, 0.3338

Monochromacy



Original Color

12.3646, 0.2956, 0.3847

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.4520, 0.3059, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3646, 0.2956, 0.3847 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(73, 106, 84)` looks like.

```
.text, #text, p{  
    color:rgb(73, 106, 84)  
}
```

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(73, 106, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 106, 84) }
```

Border

The CSS property to change the border of an element to Yxy 12.3646, 0.2956, 0.3847 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(73, 106, 84) }
```

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

```
.border{ border-color:rgb(73, 106, 84) }
```

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

Here you see how a box with a 4 pixel rgb(73, 106, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 106, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 106, 84);  
box-shadow:4px 4px 4px 4px rgb(73, 106,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3646, 0.2956, 0.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 106, 84) }
```

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

```
.background{ background-color: rgb(73, 106,  
84) }
```

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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