

Converting Colors

$Y_{xy}(12.8914, 0.2961, 0.4086)$

Have a look what the booklet for
Yxy(12.8914, 0.2961, 0.4086)
contains.

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Color

Yxy(12.9453, 0.2954, 0.4081)

Conversions

Conversions Part 1

Format	Color
Hex	446E4F
RGB	68, 110, 79
RGB Percent	27%, 43%, 31%
CMY	0.7334, 0.5686, 0.6901
CMYK	0.38, 0.00, 0.28, 0.57
HSL	136°, 24%, 35%
HSV	136°, 38%, 43%
XYZ	9.3704, 12.9453, 9.4052
YIQ	93.9080, -15.0810, -18.5450

Conversions

Conversions Part 2

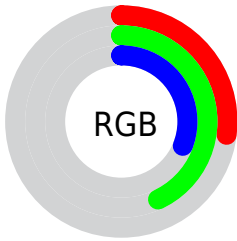
Format	Color
RYB	68, 101, 110
Decimal	4484687
CIELab	42.68, -21.95, 12.76
CIELCh	43, 25.394, 149.826
Yxy	12.9453, 0.2954, 0.4081
Android (android.graphics.Color)	4282674767 (0xFF446E4F)
YUV	93.9080, -7.3496, -22.7213
Hunter-Lab	35.9796, -16.4765, 9.6870

Details

The Yxy color **12.9453, 0.2954, 0.4081** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.3469, 0.3365, 0.2614**, and the grayscale version is **11.1903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2507, 0.3009, 0.3872**, and **3.7095, 0.2833, 0.4570** is the 20% darker color. If you saturate the color by 10%, you get **12.4759, 0.2917, 0.4334**, and if you desaturate by 10%, it is **13.5045, 0.2996, 0.3845**.

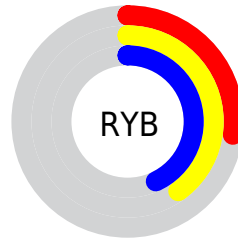
Distribution



Red (27%)

Green (43%)

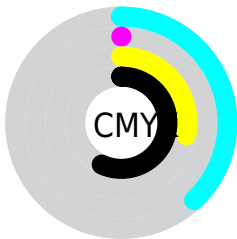
Blue (31%)



Red (27%)

Yellow (40%)

Blue (43%)

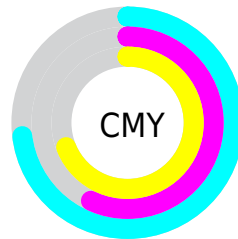


Cyan (38%)

Magenta (0%)

Yellow (28%)

Black (57%)



Cyan (73%)

Magenta (57%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9453, 0.2954, 0.4081 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 12.9453, 0.2954, 0.4081 by changing the saturation by 10% instead.

12.9453, 0.2954,
0.4081

12.9453, 0.2954,
0.4081

210.5668, 0.3068,
0.3584

7.3909, 0.2908,
0.4262

31.2055, 0.3006,
0.3865

3.7077, 0.2831,
0.4550

44.6800, 0.3022,
0.3796

1.5115, 0.2710,
0.5131

61.5634, 0.3034,
0.3742

0.2968, 0.0000,
1.0000

82.2401, 0.3044,
0.3698

0.0000, 0.0000,
0.0000

107.0943, 0.3051,
0.3662

136.5106, 0.3058,

0.3632

170.8733, 0.3063,
0.3606

■ 12.9453, 0.2954,
0.4081

■ 12.9453, 0.2954,
0.4081

■ 12.4759, 0.2917,
0.4334

■ 13.5045, 0.2996,
0.3845

■ 12.0899, 0.2888,
0.4599

■ 14.1561, 0.3042,
0.3628

■ 11.7827, 0.2870,
0.4866


■ 14.9047, 0.3089,
0.3434


■ 11.5487, 0.2865,
0.5124


■ 15.7542, 0.3136,
0.3260


■ 11.3813, 0.2873,
0.5361

■ 16.7080, 0.3181,
0.3107


 11.2613, 0.2888,
0.5570

 17.7697, 0.3225,
0.2973

 11.2412, 0.2890,
0.5604

 18.9426, 0.3267,
0.2855

 20.2296, 0.3307,
0.2752

 21.6338, 0.3344,
0.2662

Harmonies

Analogous

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



12.9453, 0.3489, 0.4280



12.9453, 0.2954, 0.4081



12.9453, 0.2491, 0.3599

Triad

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



12.9453, 0.2954, 0.4081



12.9453, 0.2327, 0.2450



12.9453, 0.4138, 0.3389

Complementary

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



12.9453, 0.2954, 0.4081



8.3469, 0.3365, 0.2614

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.



12.9453, 0.3772, 0.2978



12.9453, 0.2954, 0.4081



12.9453, 0.2705, 0.2459

Square

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



12.9453, 0.2954, 0.4081



12.9453, 0.2155, 0.2648



12.9453, 0.3232, 0.2649



12.9453, 0.4198, 0.3810

Rectangle

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



12.9453, 0.2954, 0.4081



12.9453, 0.2279, 0.3229



12.9453, 0.3232, 0.2649



12.9453, 0.4046, 0.3247

Sweetspot

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



12.9458, 0.2954, 0.4081



25.7486, 0.3074, 0.3492



14.2508, 0.3511, 0.4233



5.9620, 0.3070, 0.3510



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.



12.9458, 0.2954, 0.4081



21.9822, 0.2920, 0.4309



13.2915, 0.2731, 0.3546



3.7763, 0.3085, 0.3449



13.4984, 0.2894, 0.5620



67.1173, 0.2919, 0.5708

Inverse Universe

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



8.3469, 0.3365, 0.2614



12.6398, 0.3440, 0.2458



8.0038, 0.3772, 0.3053



3.4392, 0.3172, 0.3136



4.6930, 0.3974, 0.1963



23.2304, 0.4026, 0.1991

Previews

White Background



This preview shows how the Yxy color 12.9453, 0.2954, 0.4081 looks on a white background.

Color Contrast Check

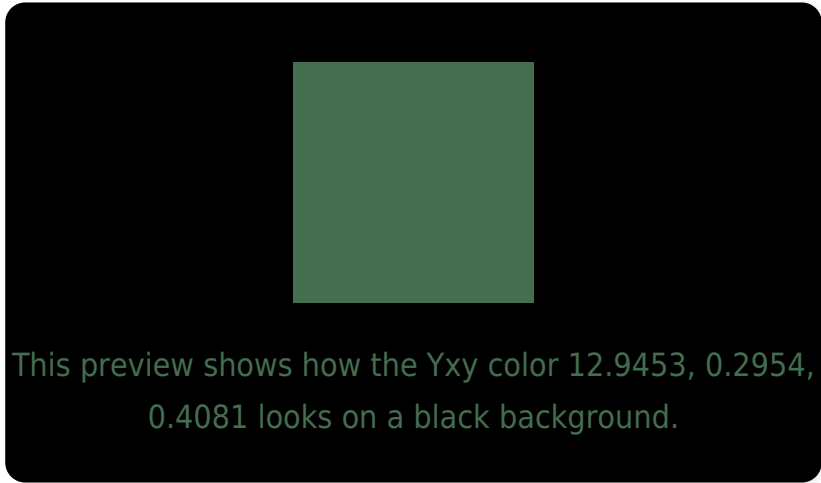
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

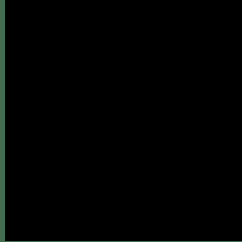
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9453, 0.2954, 0.4081

Background



This preview shows how black text looks on a background with the Yxy color 12.9453, 0.2954, 0.4081.



This preview shows how white text looks on a background with the Yxy color 12.9453, 0.2954, 0.4081.

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

12.9453, 0.2954, 0.4081

Protanopia

12.8105, 0.3605, 0.3845

Deuteranopia

12.6879, 0.3652, 0.3589



Tritanopia

12.8139, 0.2641, 0.3079

Trichromacy



Original Color

12.9453, 0.2954, 0.4081

Protanomaly

12.7496, 0.3339, 0.3953

Deuteranomaly

12.5541, 0.3373, 0.3753

Tritanomaly

12.8327, 0.2751, 0.3435

Monochromacy



Original Color

12.9453, 0.2954, 0.4081

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.7669, 0.3057, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9453, 0.2954, 0.4081 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(68, 110, 79)` looks like.

```
.text, #text, p{  
    color:rgb(68, 110, 79)  
}
```

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(68, 110, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 110, 79) }
```

Border

The CSS property to change the border of an element to Yxy 12.9453, 0.2954, 0.4081 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(68, 110, 79) }
```

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

```
.border{ border-color:rgb(68, 110, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 110, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 110, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 110, 79);  
box-shadow:4px 4px 4px 4px rgb(68, 110,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9453, 0.2954, 0.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 110, 79) }
```

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

```
.background{ background-color: rgb(68, 110,  
79) }
```

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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