

Converting Colors

$Y_{xy}(12.8784, 0.3181, 0.4426)$

Have a look what the booklet for
Yxy(12.8784, 0.3181, 0.4426)
contains.

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Color

Yxy(12.9500, 0.3173, 0.4429)

Conversions

Conversions Part 1

Format	Color
Hex	496E41
RGB	73, 110, 65
RGB Percent	29%, 43%, 25%
CMY	0.7137, 0.5686, 0.7451
CMYK	0.34, 0.00, 0.41, 0.57
HSL	109°, 26%, 34%
HSV	109°, 41%, 43%
XYZ	9.2776, 12.9500, 7.0115
YIQ	93.8070, -7.6070, -21.8390

Conversions

Conversions Part 2

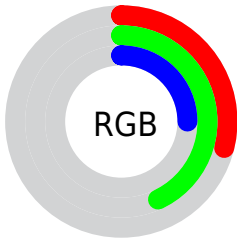
Format	Color
RYB	65, 110, 102
Decimal	4812353
CIELab	42.69, -22.75, 21.02
CIElCh	43, 30.974, 137.260
Yxy	12.9500, 0.3173, 0.4429
Android (android.graphics.Color)	4283002433 (0xFF496E41)
YUV	93.8070, -14.2019, -18.2477
Hunter-Lab	35.9861, -16.9567, 13.6382

Details

The Yxy color **12.9500, 0.3173, 0.4429** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.7316, 0.3029, 0.2299**, and the grayscale version is **11.1811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2439, 0.3180, 0.4127**, and **3.7190, 0.3125, 0.5088** is the 20% darker color. If you saturate the color by 10%, you get **12.5072, 0.3173, 0.4751**, and if you desaturate by 10%, it is **13.4701, 0.3167, 0.4116**.

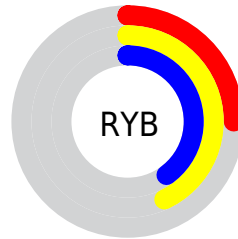
Distribution



Red (29%)

Green (43%)

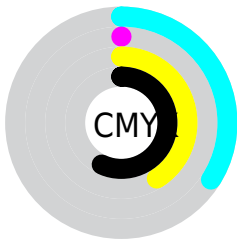
Blue (25%)



Red (25%)

Yellow (43%)

Blue (40%)

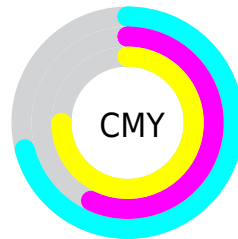


Cyan (34%)

Magenta (0%)

Yellow (41%)

Black (57%)



Cyan (71%)


Magenta (57%)

Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9500, 0.3173, 0.4429 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 12.9500, 0.3173, 0.4429 by changing the saturation by 10% instead.


 12.9500, 0.3173,
0.4429


 12.9500, 0.3173,
0.4429


 210.5970, 0.3164,
0.3710


 7.3941, 0.3159,
0.4690


 31.2139, 0.3178,
0.4117


 3.7098, 0.3120,
0.5097

 44.6908, 0.3176,
0.4017


 1.5126, 0.3315,
0.6431

 61.5767, 0.3174,
0.3938

 0.2976, 0.0000,
1.0000

 82.2562, 0.3172,
0.3875

 0.0000, 0.0000,
0.0000

 107.1135, 0.3170,
0.3823

 136.5332, 0.3168,

0.3779

170.8995, 0.3166,
0.3742

■ 12.9500, 0.3173,
0.4429

■ 12.9500, 0.3173,
0.4429

■ 12.5072, 0.3173,
0.4751

■ 13.4701, 0.3167,
0.4116

■ 12.1365, 0.3166,
0.5068

■ 14.0693, 0.3157,
0.3822

■ 11.8344, 0.3152,
0.5361


■ 14.7514, 0.3144,
0.3553


■ 11.5966, 0.3129,
0.5610

■ 15.5193, 0.3129,
0.3311

■ 11.4181, 0.3100,
0.5799

■ 16.3760, 0.3113,
0.3095

 11.2965, 0.3078,
0.5938

 17.3241, 0.3097,
0.2905

 18.3663, 0.3081,
0.2738

 19.5052, 0.3065,
0.2592

 20.7430, 0.3050,
0.2464

Harmonies

Analogous

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



12.9500, 0.3803, 0.4471



12.9500, 0.3173, 0.4429



12.9500, 0.2563, 0.3950

Triad

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



12.9500, 0.3173, 0.4429



12.9500, 0.2055, 0.2348



12.9500, 0.4214, 0.3182

Complementary

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



12.9500, 0.3173, 0.4429



7.7316, 0.3029, 0.2299

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.



12.9500, 0.3645, 0.2734



12.9500, 0.3173, 0.4429



12.9500, 0.2400, 0.2269

Square

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



12.9500, 0.3173, 0.4429



12.9500, 0.1962, 0.2679



12.9500, 0.2966, 0.2410



12.9500, 0.4448, 0.3683

Rectangle

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



12.9500, 0.3173, 0.4429



12.9500, 0.2250, 0.3491



12.9500, 0.2966, 0.2410



12.9500, 0.4053, 0.3023

Sweetspot

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



12.9506, 0.3173, 0.4429



25.7270, 0.3146, 0.3589



13.1510, 0.3766, 0.4089



5.9615, 0.3147, 0.3612



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.



12.9506, 0.3173, 0.4429



22.0073, 0.3173, 0.4732



12.8445, 0.2917, 0.4083



3.7891, 0.3141, 0.3505



13.5596, 0.3073, 0.5942



67.2703, 0.3049, 0.5961

Inverse Universe

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



7.7316, 0.3029, 0.2299



11.4944, 0.2996, 0.2078



7.9358, 0.3434, 0.2615



3.4250, 0.3112, 0.3081



3.9799, 0.2780, 0.1305



19.4889, 0.2755, 0.1291

Previews

White Background



This preview shows how the Yxy color 12.9500, 0.3173, 0.4429 looks on a white background.

Color Contrast Check

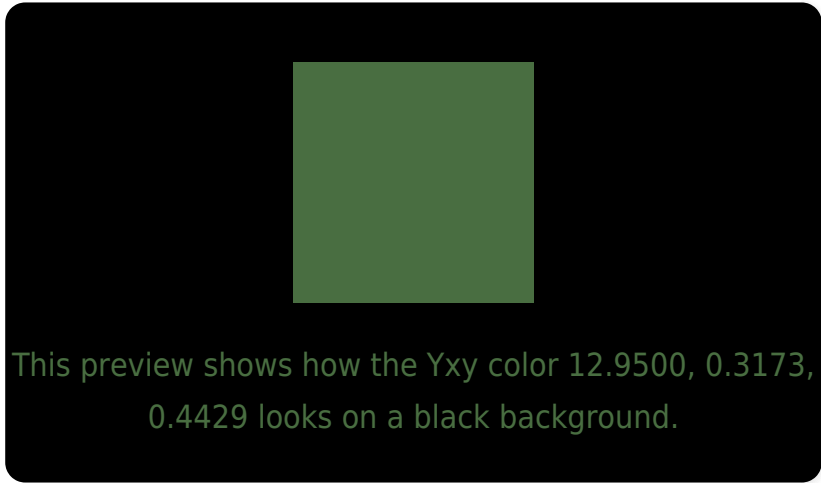
Large Text (above 18pt) WCAG AA ✓ Pass

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

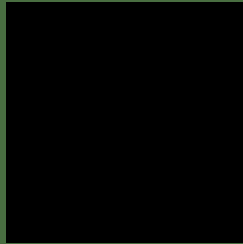
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9500, 0.3173, 0.4429

Background



This preview shows how black text looks on a background with the Yxy color 12.9500, 0.3173, 0.4429.



This preview shows how white text looks on a background with the Yxy color 12.9500, 0.3173, 0.4429.

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

12.9500, 0.3173, 0.4429

Protanopia

12.7663, 0.3834, 0.4138

Deuteranopia

12.7762, 0.3931, 0.3872



Tritanopia

12.8422, 0.2718, 0.3082

Trichromacy



Original Color

12.9500, 0.3173, 0.4429

Protanomaly

12.7898, 0.3583, 0.4263

Deuteranomaly

12.5962, 0.3632, 0.4063

Tritanomaly

12.7723, 0.2878, 0.3532

Monochromacy



Original Color

12.9500, 0.3173, 0.4429

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.7173, 0.3151, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9500, 0.3173, 0.4429 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, 110, 65)` looks like.

```
.text, #text, p{  
    color:rgb(73, 110, 65)  
}
```

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, 110, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 110, 65) }
```

Border

The CSS property to change the border of an element to Yxy 12.9500, 0.3173, 0.4429 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, 110, 65) }
```

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

```
.border{ border-color:rgb(73, 110, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 110, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 110, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 110, 65);  
box-shadow:4px 4px 4px 4px rgb(73, 110,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9500, 0.3173, 0.4429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 110, 65) }
```

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

```
.background{ background-color: rgb(73, 110,  
65) }
```

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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