

Converting Colors

$Y_{xy}(12.5842, 0.3015, 0.4423)$

Have a look what the booklet for
Yxy(12.5842, 0.3015, 0.4423)
contains.

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Color

$Y_{xy}(12.5812, 0.3015, 0.4423)$

Conversions

Conversions Part 1

Format	Color
Hex	3E6E43
RGB	62, 110, 67
RGB Percent	24%, 43%, 26%
CMY	0.7568, 0.5686, 0.7372
CMYK	0.44, 0.00, 0.39, 0.57
HSL	126°, 28%, 34%
HSV	126°, 44%, 43%
XYZ	8.5762, 12.5812, 7.2876
YIQ	90.7460, -14.8050, -23.5490

Conversions

Conversions Part 2

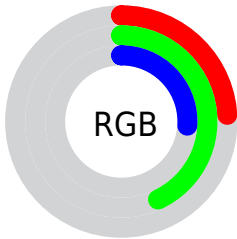
Format	Color
RYB	62, 105, 110
Decimal	4091459
CIELab	42.13, -26.28, 19.01
CIELCh	42, 32.436, 144.113
Yxy	12.5812, 0.3015, 0.4423
Android (android.graphics.Color)	4282281539 (0xFF3E6E43)
YUV	90.7460, -11.7068, -25.2102
Hunter-Lab	35.4700, -18.9137, 12.6474




Details

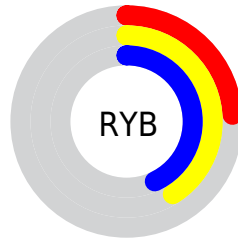
The Yxy color **12.5812, 0.3015, 0.4423** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.7811, 0.3265, 0.2373**, and the grayscale version is **10.4315, 0.3127, 0.3290**.




A 20% lighter version of the original color is **30.5464, 0.3053, 0.4099**, and **3.5783, 0.2884, 0.5120** is the 20% darker color. If you saturate the color by 10%, you get **12.1529, 0.2994, 0.4735**, and if you desaturate by 10%, it is **13.1027, 0.3040, 0.4123**.

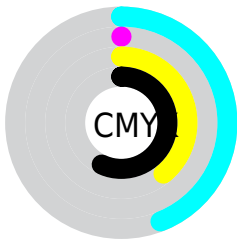
Distribution







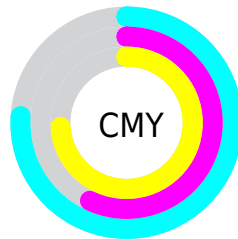
-  Red (24%)
-  Green (43%)
-  Blue (26%)






-  Red (24%)
-  Yellow (41%)
-  Blue (43%)



-  Cyan (44%)
-  Magenta (0%)
-  Yellow (39%)
-  Black (57%)



-  Cyan (76%)
-  Magenta (57%)
-  Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.5812, 0.3015, 0.4423 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 12.5812, 0.3015, 0.4423 by changing the saturation by 10% instead.

■ 12.5812, 0.3015,
0.4423

■ 12.5812, 0.3015,
0.4423

■ 208.2159, 0.3102,
0.3702

■ 7.1408, 0.2970,
0.4691

■ 30.5493, 0.3059,
0.4107

■ 3.5503, 0.2883,
0.5116

■ 43.8458, 0.3072,
0.4007

■ 1.4253, 0.2894,
0.6502

■ 60.5298, 0.3080,
0.3928

■ 0.2353, 0.0000,
1.0000

■ 80.9857, 0.3087,
0.3865

■ 0.0000, 0.0000,
0.0000

■ 105.5978, 0.3092,
0.3814

■ 134.7507, 0.3096,

0.3770

168.8286, 0.3099,
0.3734

■ 12.5812, 0.3015,
0.4423

■ 12.5812, 0.3015,
0.4423

■ 12.1529, 0.2994,
0.4735

■ 13.1027, 0.3040,
0.4123

■ 11.8109, 0.2977,
0.5044

■ 13.7207, 0.3066,
0.3844

■ 11.5497, 0.2967,
0.5334

■ 14.4404, 0.3092,
0.3591


■ 11.3626, 0.2965,
0.5586


■ 15.2661, 0.3118,
0.3365

■ 11.2400, 0.2969,
0.5783


■ 16.2019, 0.3143,
0.3166

 11.1772, 0.2967,
0.5881

 17.2516, 0.3166,
0.2992

 18.4189, 0.3188,
0.2841

 19.7072, 0.3207,
0.2709

 21.1200, 0.3226,
0.2595

Harmonies

Analogous

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



12.5812, 0.3690, 0.4570



12.5812, 0.3015, 0.4423



12.5812, 0.2406, 0.3828

Triad

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



12.5812, 0.3015, 0.4423



12.5812, 0.2062, 0.2258



12.5812, 0.4371, 0.3289

Complementary

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



12.5812, 0.3015, 0.4423



7.7811, 0.3265, 0.2373

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.



12.5812, 0.3831, 0.2803



12.5812, 0.3015, 0.4423



12.5812, 0.2478, 0.2234

Square

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



12.5812, 0.3015, 0.4423



12.5812, 0.1904, 0.2538



12.5812, 0.3115, 0.2430



12.5812, 0.4516, 0.3815

Rectangle

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



12.5812, 0.3015, 0.4423



12.5812, 0.2116, 0.3330



12.5812, 0.3115, 0.2430



12.5812, 0.4227, 0.3119

Sweetspot

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



12.5817, 0.3015, 0.4423



25.3984, 0.3093, 0.3584



14.5153, 0.3668, 0.4330



5.8562, 0.3088, 0.3626



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.



12.5817, 0.3015, 0.4423



21.3592, 0.2994, 0.4727



12.9283, 0.2759, 0.3778



3.7684, 0.3104, 0.3484



13.4246, 0.2970, 0.5890



66.8093, 0.2984, 0.5941

Inverse Universe

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



7.7811, 0.3265, 0.2373



11.7733, 0.3302, 0.2187



7.3584, 0.3747, 0.2859



3.4478, 0.3151, 0.3104



5.0516, 0.3479, 0.1690



25.0895, 0.3496, 0.1699

Previews

White Background



This preview shows how the Yxy color 12.5812, 0.3015, 0.4423 looks on a white background.

Color Contrast Check

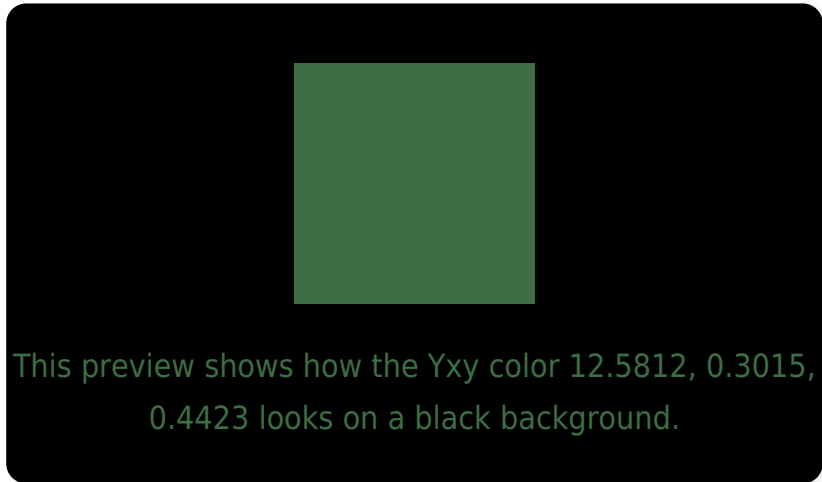
Large Text (above 18pt) WCAG AA ✓ Pass

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

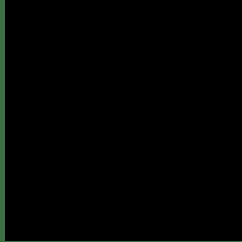
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5812, 0.3015, 0.4423

Background



This preview shows how black text looks on a background with the Yxy color 12.5812, 0.3015, 0.4423.



This preview shows how white text looks on a background with the Yxy color 12.5812, 0.3015, 0.4423.

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

12.5812, 0.3015, 0.4423

Protanopia

12.4707, 0.3783, 0.4087

Deuteranopia

12.4782, 0.3876, 0.3818



Tritanopia

12.6731, 0.2618, 0.3100

Trichromacy



Original Color

12.5812, 0.3015, 0.4423

Protanomaly

12.2948, 0.3470, 0.4228

Deuteranomaly

12.1407, 0.3530, 0.4017

Tritanomaly

12.5889, 0.2761, 0.3564

Monochromacy



Original Color

12.5812, 0.3015, 0.4423

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.0500, 0.3079, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5812, 0.3015, 0.4423 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(62, 110, 67)` looks like.

```
.text, #text, p{  
  color:rgb(62, 110, 67)  
}
```

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(62, 110, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 110, 67) }
```

Border

The CSS property to change the border of an element to Yxy 12.5812, 0.3015, 0.4423 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(62, 110, 67) }
```

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

```
.border{ border-color:rgb(62, 110, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 110, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 110, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 110, 67);  
box-shadow:4px 4px 4px 4px rgb(62, 110,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5812, 0.3015, 0.4423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 110, 67) }
```

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

```
.background{ background-color: rgb(62, 110,  
67) }
```

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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