

Converting Colors

$Y_{xy}(12.1206, 0.2926, 0.4419)$

Have a look what the booklet for
Yxy(12.1206, 0.2926, 0.4419)
contains.

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Color

$\text{Yxy}(12.1268, 0.2925, 0.4432)$

Conversions

Conversions Part 1

Format	Color
Hex	366D43
RGB	54, 109, 67
RGB Percent	21%, 43%, 26%
CMY	0.7882, 0.5725, 0.7372
CMYK	0.50, 0.00, 0.39, 0.57
HSL	134°, 34%, 32%
HSV	134°, 50%, 43%
XYZ	8.0034, 12.1268, 7.2318
YIQ	87.7670, -19.2980, -24.7220

Conversions

Conversions Part 2

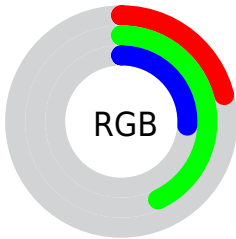
Format	Color
RYB	54, 98, 109
Decimal	3566915
CIELab	41.42, -28.33, 18.00
CIELCh	41, 33.568, 147.573
Yxy	12.1268, 0.2925, 0.4432
Android (android.graphics.Color)	4281756995 (0xFF366D43)
YUV	87.7670, -10.2381, -29.6137
Hunter-Lab	34.8236, -19.9173, 12.0638

Details

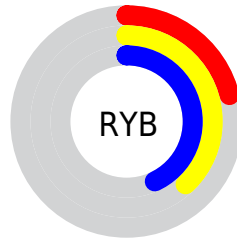
The Yxy color **12.1268, 0.2925, 0.4432** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.7336, 0.3438, 0.2378**, and the grayscale version is **9.7317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7308, 0.3000, 0.4117**, and **3.3993, 0.2765, 0.5156** is the 20% darker color. If you saturate the color by 10%, you get **11.7660, 0.2900, 0.4706**, and if you desaturate by 10%, it is **12.5706, 0.2958, 0.4167**.

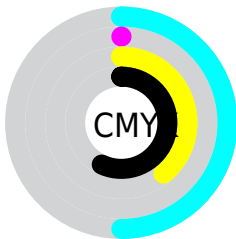
Distribution



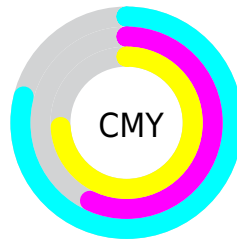
- Red (21%)
- Green (43%)
- Blue (26%)



- Red (21%)
- Yellow (38%)
- Blue (43%)



- Cyan (50%)
- Magenta (0%)
- Yellow (39%)
- Black (57%)




- Cyan (79%)
- Magenta (57%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1268, 0.2925, 0.4432 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 12.1268, 0.2925, 0.4432 by changing the saturation by 10% instead.


 12.1268, 0.2925,
0.4432


 12.1268, 0.2925,
0.4432


205.2429, 0.3067,
0.3700


 6.8301, 0.2860,
0.4709


 29.7258, 0.2993,
0.4109


 3.3561, 0.2744,
0.5153

 42.7970, 0.3013,
0.4008


 1.3203, 0.2617,
0.6779

 59.2283, 0.3028,
0.3928

 0.1569, 0.0000,
1.0000

 79.4044, 0.3039,
0.3865

 0.0000, 0.0000,
0.0000

 103.7095, 0.3048,
0.3812

 132.5280, 0.3056,

0.3769

166.2443, 0.3062,
0.3732

■ 12.1268, 0.2925,
0.4432

■ 12.1268, 0.2925,
0.4432

■ 11.7660, 0.2900,
0.4706

■ 12.5706, 0.2958,
0.4167

■ 11.4814, 0.2886,
0.4979

■ 13.1006, 0.2997,
0.3918

■ 11.2679, 0.2883,
0.5237

■ 13.7217, 0.3038,
0.3689

■ 11.1187, 0.2894,
0.5468

■ 14.4379, 0.3082,
0.3482

■ 11.0113, 0.2905,
0.5659

■ 15.2530, 0.3125,
0.3298

■ 16.1707, 0.3168,
0.3135

■ 17.1944, 0.3209,
0.2992

■ 18.3273, 0.3247,
0.2867

■ 19.5725, 0.3284,
0.2757

Harmonies

Analogous

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



12.1268, 0.3631, 0.4640



12.1268, 0.2925, 0.4432



12.1268, 0.2311, 0.3764

Triad

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



12.1268, 0.2925, 0.4432



12.1268, 0.2055, 0.2199



12.1268, 0.4471, 0.3346

Complementary

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



12.1268, 0.2925, 0.4432



6.7336, 0.3438, 0.2378

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.



12.1268, 0.3944, 0.2834



12.1268, 0.2925, 0.4432



12.1268, 0.2515, 0.2204

Square

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



12.1268, 0.2925, 0.4432



12.1268, 0.1860, 0.2454



12.1268, 0.3199, 0.2431



12.1268, 0.4567, 0.3892

Rectangle

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



12.1268, 0.2925, 0.4432



12.1268, 0.2033, 0.3240



12.1268, 0.3199, 0.2431



12.1268, 0.4337, 0.3168

Sweetspot

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



12.1273, 0.2925, 0.4432



25.1954, 0.3060, 0.3582



13.6998, 0.3631, 0.4532



5.8169, 0.3053, 0.3614



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.



12.1273, 0.2925, 0.4432



20.9430, 0.2896, 0.4767



12.5360, 0.2641, 0.3668



3.4554, 0.3088, 0.3453



12.8753, 0.2909, 0.5672



65.4888, 0.2933, 0.5759

Inverse Universe

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



6.7336, 0.3438, 0.2378



10.0300, 0.3541, 0.2190



6.3149, 0.4072, 0.2959



3.1523, 0.3168, 0.3132



4.5330, 0.3884, 0.1913



22.9580, 0.3931, 0.1939

Previews

White Background



This preview shows how the Yxy color 12.1268, 0.2925, 0.4432 looks on a white background.

Color Contrast Check

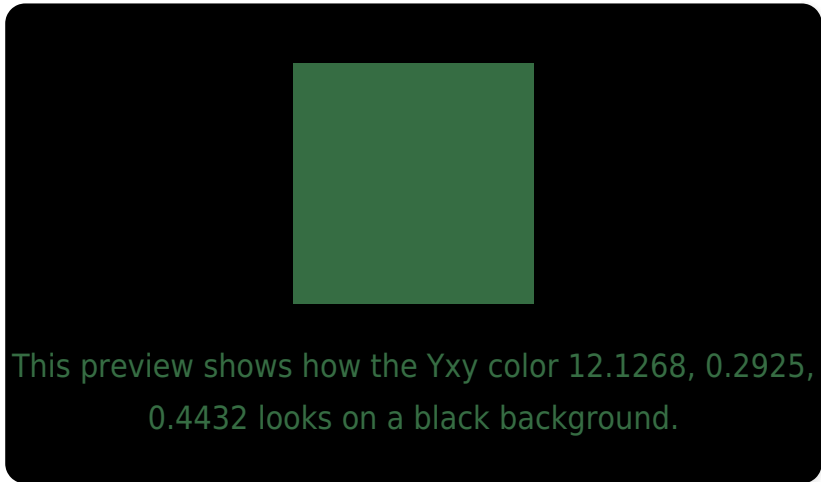
Large Text (above 18pt) WCAG AA ✓ Pass

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

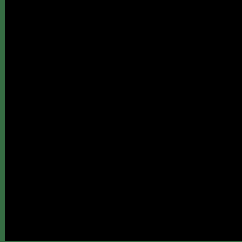
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1268, 0.2925, 0.4432

Background



This preview shows how black text looks on a background with the Yxy color 12.1268, 0.2925, 0.4432.



This preview shows how white text looks on a background with the Yxy color 12.1268, 0.2925, 0.4432.

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

12.1268, 0.2925, 0.4432

Protanopia

11.9614, 0.3780, 0.4078

Deuteranopia

11.9285, 0.3827, 0.3766



Tritanopia

12.1943, 0.2552, 0.3095

Trichromacy



Original Color

12.1268, 0.2925, 0.4432

Protanomaly

11.7038, 0.3418, 0.4207

Deuteranomaly

11.6930, 0.3441, 0.3992

Tritanomaly

12.1447, 0.2682, 0.3545

Monochromacy



Original Color

12.1268, 0.2925, 0.4432

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.4814, 0.3048, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1268, 0.2925, 0.4432 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(54, 109, 67)` looks like.

```
.text, #text, p{  
    color:rgb(54, 109, 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(54, 109, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 109, 67) }
```

Border

The CSS property to change the border of an element to Yxy 12.1268, 0.2925, 0.4432 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(54, 109, 67) }
```

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

```
.border{ border-color:rgb(54, 109, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 109, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 109, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 109, 67);  
box-shadow:4px 4px 4px 4px rgb(54, 109,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1268, 0.2925, 0.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 109, 67) }
```

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

```
.background{ background-color: rgb(54, 109,  
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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