

Converting Colors

$Y_{xy}(13.1269, 0.3433, 0.4142)$

Have a look what the booklet for
Yxy(13.1269, 0.3433, 0.4142)
contains.

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Color

Yxy(13.1299, 0.3424, 0.4134)

Conversions

Conversions Part 1

Format	Color
Hex	5E6A46
RGB	94, 106, 70
RGB Percent	37%, 42%, 27%
CMY	0.6314, 0.5843, 0.7255
CMYK	0.11, 0.00, 0.34, 0.58
HSL	80°, 20%, 35%
HSV	80°, 34%, 42%
XYZ	10.8749, 13.1299, 7.7560
YIQ	98.3080, 4.4040, -13.7400

Conversions

Conversions Part 2

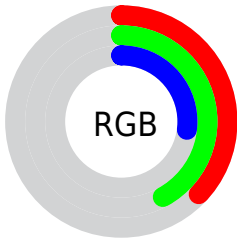
Format	Color
R_{YB}	70, 106, 82
Decimal	6187590
CIE _{Lab}	42.96, -11.40, 18.75
CIE _{LCh}	43, 21.938, 121.296
Yxy	13.1299, 0.3424, 0.4134
Android (android.graphics.Color)	4284377670 (0xFF5E6A46)
YUV	98.3080, -13.9558, -3.7781
Hunter-Lab	36.2352, -9.8403, 12.6739

Details

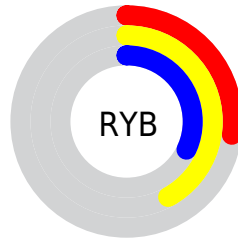
The Yxy color **13.1299, 0.3424, 0.4134** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.2162, 0.2750, 0.2399**, and the grayscale version is **12.3294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4656, 0.3357, 0.3903**, and **3.8068, 0.3527, 0.4593** is the 20% darker color. If you saturate the color by 10%, you get **12.8255, 0.3502, 0.4397**, and if you desaturate by 10%, it is **13.4677, 0.3339, 0.3873**.

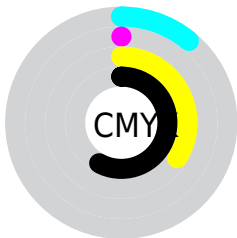
Distribution



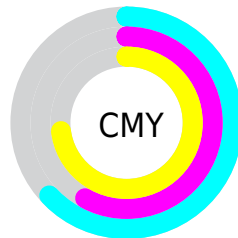
- Red (37%)
- Green (42%)
- Blue (27%)



- Red (27%)
- Yellow (42%)
- Blue (32%)



- Cyan (11%)
- Magenta (0%)
- Yellow (34%)
- Black (58%)




- Cyan (63%)
- Magenta (58%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1299, 0.3424, 0.4134 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 13.1299, 0.3424, 0.4134 by changing the saturation by 10% instead.


 13.1299, 0.3424,
0.4134


 13.1299, 0.3424,
0.4134


211.7485, 0.3254,
0.3613


 7.5181, 0.3472,
0.4315


 31.5370, 0.3357,
0.3912


 3.7881, 0.3535,
0.4592

 45.1010, 0.3333,
0.3839

 1.5558, 0.3804,
0.5334

 62.0845, 0.3314,
0.3782

 0.3275, 0.0918,
0.9082

 82.8719, 0.3298,
0.3735

 0.0000, 0.0000,
0.0000

 107.8476, 0.3284,
0.3697

137.3960, 0.3273,

0.3664

171.9015, 0.3263,
0.3636

■ 13.1299, 0.3424,
0.4134

■ 13.1299, 0.3424,
0.4134

■ 12.8255, 0.3502,
0.4397

■ 13.4677, 0.3339,
0.3873

■ 12.5513, 0.3569,
0.4652

■ 13.8384, 0.3251,
0.3620

■ 12.3065, 0.3620,
0.4891

■ 14.2438, 0.3162,
0.3381


■ 12.0895, 0.3652,
0.5102


■ 14.6850, 0.3075,
0.3157

■ 11.8984, 0.3663,
0.5276


■ 15.1630, 0.2991,
0.2950


 11.7303, 0.3653,
0.5411

 15.6789, 0.2911,
0.2762

 11.6346, 0.3644,
0.5488

 16.2336, 0.2837,
0.2590

 16.8281, 0.2767,
0.2435

 17.4633, 0.2702,
0.2295

Harmonies

Analogous

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



13.1299, 0.3825, 0.4048



13.1299, 0.3424, 0.4134



13.1299, 0.2961, 0.3945

Triad

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



13.1299, 0.3424, 0.4134



13.1299, 0.2282, 0.2726



13.1299, 0.3702, 0.3038

Complementary

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



13.1299, 0.3424, 0.4134



7.2162, 0.2750, 0.2399

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.



13.1299, 0.3244, 0.2742



13.1299, 0.3424, 0.4134



13.1299, 0.2443, 0.2556

Square

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



13.1299, 0.3424, 0.4134



13.1299, 0.2322, 0.3074



13.1299, 0.2785, 0.2569



13.1299, 0.4004, 0.3403

Rectangle

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



13.1299, 0.3424, 0.4134



13.1299, 0.2681, 0.3686



13.1299, 0.2785, 0.2569



13.1299, 0.3559, 0.2929

Sweetspot

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



13.1305, 0.3424, 0.4134



24.5395, 0.3218, 0.3530



9.5420, 0.3768, 0.3572



5.7318, 0.3227, 0.3555



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.



13.1305, 0.3424, 0.4134



22.6006, 0.3488, 0.4349



12.2880, 0.3164, 0.4207



3.5354, 0.3206, 0.3499



14.4187, 0.3638, 0.5493



72.9810, 0.3608, 0.5518

Inverse Universe

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



7.2162, 0.2750, 0.2399



10.4615, 0.2636, 0.2156



8.1311, 0.3058, 0.2475



3.0697, 0.3043, 0.3078



1.7256, 0.1783, 0.0756



8.3608, 0.1730, 0.0727

Previews

White Background



This preview shows how the Yxy color 13.1299, 0.3424, 0.4134 looks on a white background.

Color Contrast Check

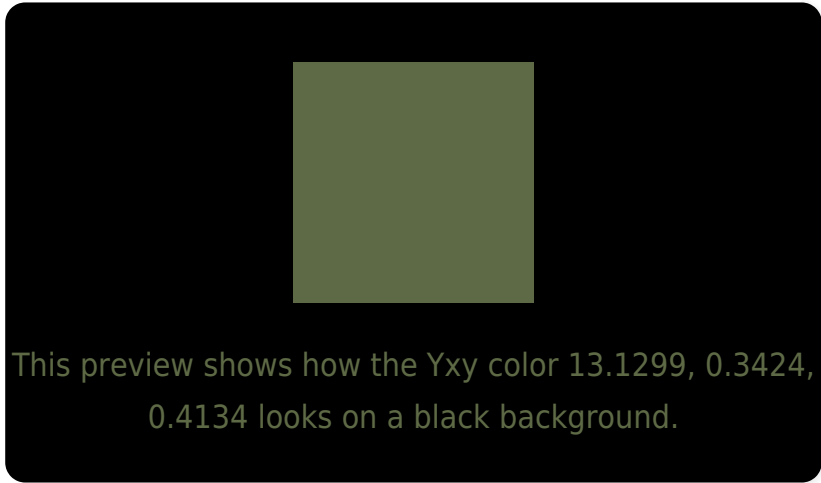
Large Text (above 18pt) WCAG AA ✓ Pass

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

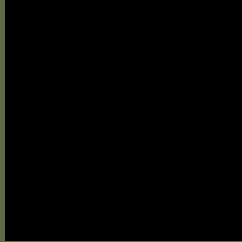
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1299, 0.3424, 0.4134

Background



This preview shows how black text looks on a background with the Yxy color 13.1299, 0.3424, 0.4134.



This preview shows how white text looks on a background with the Yxy color 13.1299, 0.3424, 0.4134.

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

13.1299, 0.3424, 0.4134

Protanopia

13.0397, 0.3730, 0.4011

Deuteranopia

13.0103, 0.3863, 0.3810



Tritanopia

13.0641, 0.2994, 0.3114

Trichromacy



Original Color

13.1299, 0.3424, 0.4134

Protanomaly

13.0732, 0.3608, 0.4054

Deuteranomaly

12.9488, 0.3711, 0.3922

Tritanomaly

13.0681, 0.3147, 0.3472

Monochromacy



Original Color

13.1299, 0.3424, 0.4134

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.5533, 0.3245, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1299, 0.3424, 0.4134 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(94, 106, 70)` looks like.

```
.text, #text, p{  
    color:rgb(94, 106, 70)  
}
```

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(94, 106, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 106, 70) }
```

Border

The CSS property to change the border of an element to Yxy 13.1299, 0.3424, 0.4134 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(94, 106, 70) }
```

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

```
.border{ border-color:rgb(94, 106, 70) }
```

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

Here you see how a box with a 4 pixel rgb(94, 106, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 106, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 106, 70);  
box-shadow:4px 4px 4px 4px rgb(94, 106,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1299, 0.3424, 0.4134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 106, 70) }
```

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

```
.background{ background-color: rgb(94, 106,  
70) }
```

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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