

Converting Colors

$Y_{xy}(13.4762, 0.3046, 0.4544)$

Have a look what the booklet for
Yxy(13.4762, 0.3046, 0.4544)
contains.

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Color

Yxy(13.4730, 0.3046, 0.4549)

Conversions

Conversions Part 1

Format	Color
Hex	3F7241
RGB	63, 114, 65
RGB Percent	25%, 45%, 25%
CMY	0.7529, 0.5529, 0.7452
CMYK	0.45, 0.00, 0.43, 0.55
HSL	122°, 29%, 35%
HSV	122°, 45%, 45%
XYZ	9.0215, 13.4730, 7.1230
YIQ	93.1650, -14.6670, -26.0510

Conversions

Conversions Part 2

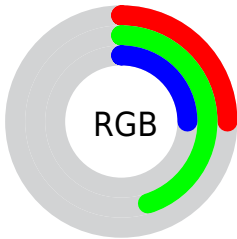
Format	Color
R_{YB}	63, 112, 114
Decimal	4158017
CIE _{Lab}	43.47, -28.25, 21.94
CIE _{LCh}	43, 35.769, 142.159
Y _{xy}	13.4730, 0.3046, 0.4549
Android (android.graphics.Color)	4282348097 (0xFF3F7241)
YUV	93.1650, -13.8853, -26.4547
Hunter-Lab	36.7056, -20.3631, 14.1882

Details

The Yxy color **13.4730, 0.3046, 0.4549** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.3047, 0.3210, 0.2289**, and the grayscale version is **11.0231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0647, 0.3085, 0.4189**, and **3.8993, 0.2907, 0.5270** is the 20% darker color. If you saturate the color by 10%, you get **13.0213, 0.3028, 0.4880**, and if you desaturate by 10%, it is **14.0282, 0.3065, 0.4225**.

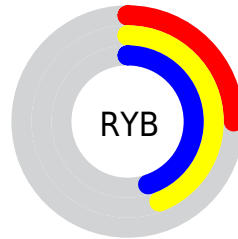
Distribution



Red (25%)

Green (45%)

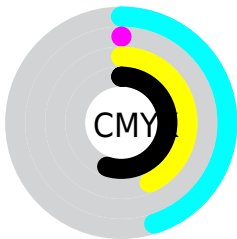
Blue (25%)



Red (25%)

Yellow (44%)

Blue (45%)

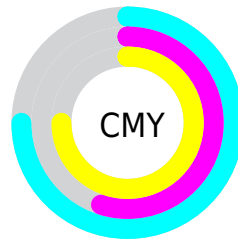


Cyan (45%)

Magenta (0%)

Yellow (43%)

Black (55%)



Cyan (75%)


Magenta (55%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4730, 0.3046, 0.4549 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 13.4730, 0.3046, 0.4549 by changing the saturation by 10% instead.


 13.4730, 0.3046,
0.4549


 13.4730, 0.3046,
0.4549


213.9272, 0.3118,
0.3753


 7.7551, 0.3003,
0.4839


 32.1510, 0.3086,
0.4203


 3.9386, 0.2917,
0.5291

 45.8798, 0.3096,
0.4092


 1.6393, 0.2962,
0.6674

 63.0477, 0.3103,
0.4005

 0.3839, 0.0000,
1.0000

 84.0391, 0.3108,
0.3935

 0.0000, 0.0000,
0.0000

 109.2383, 0.3111,
0.3877

 139.0298, 0.3114,

0.3829

173.7980, 0.3116,
0.3788

■ 13.4730, 0.3046,
0.4549

■ 13.4730, 0.3046,
0.4549

■ 13.0213, 0.3028,
0.4880

■ 14.0282, 0.3065,
0.4225

■ 12.6652, 0.3013,
0.5201

■ 14.6910, 0.3084,
0.3921

■ 12.3982, 0.3002,
0.5489

■ 15.4673, 0.3102,
0.3644


■ 12.2126, 0.2995,
0.5722


■ 16.3620, 0.3119,
0.3396

■ 12.0960, 0.2992,
0.5887


■ 17.3798, 0.3135,
0.3179

 12.0445, 0.2988,
0.5957

 18.5251, 0.3150,
0.2989

 19.8021, 0.3163,
0.2825

 21.2148, 0.3175,
0.2683

 22.7671, 0.3185,
0.2560

Harmonies

Analogous

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



13.4730, 0.3766, 0.4660



13.4730, 0.3046, 0.4549



13.4730, 0.2386, 0.3923

Triad

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



13.4730, 0.3046, 0.4549



13.4730, 0.1972, 0.2198



13.4730, 0.4441, 0.3245

Complementary

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



13.4730, 0.3046, 0.4549



8.3047, 0.3210, 0.2289

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.



13.4730, 0.3837, 0.2737



13.4730, 0.3046, 0.4549



13.4730, 0.2394, 0.2160

Square

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



13.4730, 0.3046, 0.4549



13.4730, 0.1823, 0.2509



13.4730, 0.3061, 0.2354



13.4730, 0.4624, 0.3802

Rectangle

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



13.4730, 0.3046, 0.4549



13.4730, 0.2069, 0.3379



13.4730, 0.3061, 0.2354



13.4730, 0.4278, 0.3067

Sweetspot

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



13.4736, 0.3046, 0.4549



27.3860, 0.3105, 0.3608



15.8585, 0.3732, 0.4340



6.2730, 0.3102, 0.3654



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.4736, 0.3046, 0.4549



22.8350, 0.3027, 0.4902



13.8338, 0.2785, 0.3883



3.7651, 0.3112, 0.3498



13.4070, 0.2989, 0.5959



66.7567, 0.2995, 0.5983

Inverse Universe

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



8.3047, 0.3210, 0.2289



12.4637, 0.3231, 0.2080



7.8190, 0.3701, 0.2774



3.4514, 0.3142, 0.3090



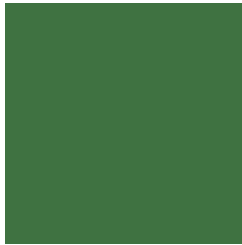
5.2254, 0.3304, 0.1594



25.9996, 0.3310, 0.1597

Previews

White Background



This preview shows how the Yxy color 13.4730, 0.3046, 0.4549 looks on a white background.

Color Contrast Check

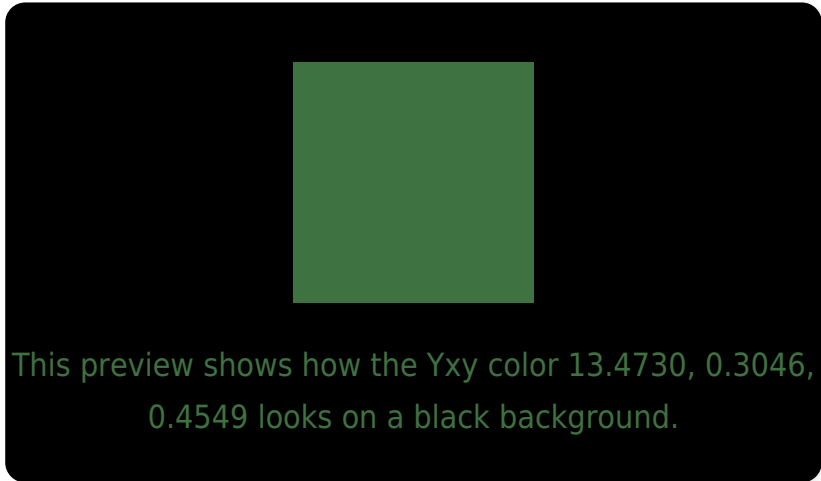
Large Text (above 18pt) WCAG AA ✓ Pass

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

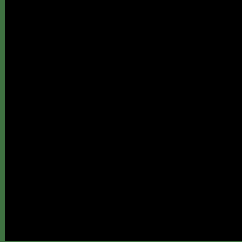
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4730, 0.3046, 0.4549

Background



This preview shows how black text looks on a background with the Yxy color 13.4730, 0.3046, 0.4549.



This preview shows how white text looks on a background with the Yxy color 13.4730, 0.3046, 0.4549.

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

13.4730, 0.3046, 0.4549

Protanopia

13.2844, 0.3849, 0.4165

Deuteranopia

13.3026, 0.3931, 0.3883



Tritanopia

13.4653, 0.2609, 0.3082

Trichromacy



Original Color

13.4730, 0.3046, 0.4549

Protanomaly

13.0356, 0.3524, 0.4318

Deuteranomaly

13.0847, 0.3568, 0.4109

Tritanomaly

13.3358, 0.2768, 0.3582

Monochromacy



Original Color

13.4730, 0.3046, 0.4549

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.7257, 0.3092, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4730, 0.3046, 0.4549 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(63, 114, 65)` looks like.

```
.text, #text, p{  
    color:rgb(63, 114, 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(63, 114, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 114, 65) }
```

Border

The CSS property to change the border of an element to Yxy 13.4730, 0.3046, 0.4549 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(63, 114, 65) }
```

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

```
.border{ border-color:rgb(63, 114, 65) }
```

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

Here you see how a box with a 4 pixel rgb(63, 114, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 114, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 114, 65);  
box-shadow:4px 4px 4px 4px rgb(63, 114,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4730, 0.3046, 0.4549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 114, 65) }
```

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

```
.background{ background-color: rgb(63, 114,  
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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