

Converting Colors

$Y_{xy}(13.4767, 0.2887, 0.4251)$

Have a look what the booklet for
Yxy(13.4767, 0.2887, 0.4251)
contains.

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Color

Yxy(13.5003, 0.2880, 0.4245)

Conversions

Conversions Part 1

Format	Color
Hex	3B724D
RGB	59, 114, 77
RGB Percent	23%, 45%, 30%
CMY	0.7687, 0.5529, 0.6981
CMYK	0.48, 0.00, 0.32, 0.55
HSL	140°, 32%, 34%
HSV	140°, 48%, 45%
XYZ	9.1592, 13.5003, 9.1433
YIQ	93.3370, -20.9030, -23.1670

Conversions

Conversions Part 2

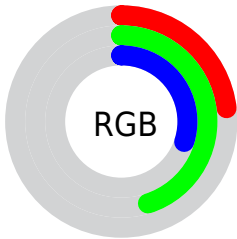
Format	Color
RYB	59, 100, 114
Decimal	3895885
CIELab	43.51, -27.27, 15.02
CIELCh	44, 31.128, 151.154
Yxy	13.5003, 0.2880, 0.4245
Android (android.graphics.Color)	4282085965 (0xFF3B724D)
YUV	93.3370, -8.0541, -30.1135
Hunter-Lab	36.7428, -19.8034, 10.9658

Details

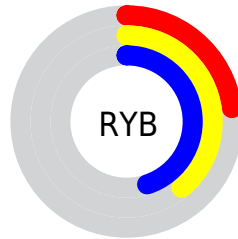
The Yxy color **13.5003, 0.2880, 0.4245** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.5474, 0.3524, 0.2506**, and the grayscale version is **11.0509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0938, 0.2957, 0.3982**, and **3.9107, 0.2712, 0.4818** is the 20% darker color. If you saturate the color by 10%, you get **13.0879, 0.2847, 0.4488**, and if you desaturate by 10%, it is **14.0027, 0.2923, 0.4013**.

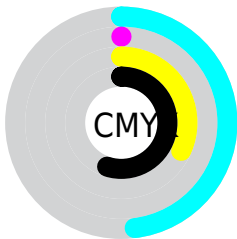
Distribution



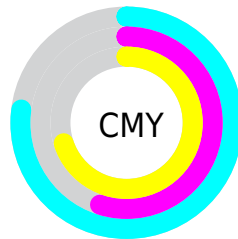
- Red (23%)
- Green (45%)
- Blue (30%)



- Red (23%)
- Yellow (39%)
- Blue (45%)



- Cyan (48%)
- Magenta (0%)
- Yellow (32%)
- Black (55%)



- Cyan (77%)
- Magenta (55%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5003, 0.2880, 0.4245 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 13.5003, 0.2880, 0.4245 by changing the saturation by 10% instead.


 13.5003, 0.2880,
0.4245


 13.5003, 0.2880,
0.4245


214.0996, 0.3042,
0.3644


 7.7740, 0.2816,
0.4464


 32.1997, 0.2953,
0.3984


 3.9506, 0.2709,
0.4810

 45.9416, 0.2976,
0.3901


 1.6460, 0.2536,
0.5524

 63.1240, 0.2993,
0.3835

 0.3883, 0.0000,
1.0000

 84.1315, 0.3007,
0.3782

 0.0000, 0.0000,
0.0000

 109.3485, 0.3018,
0.3738

 139.1592, 0.3028,

0.3702

173.9481, 0.3035,
0.3671

■ 13.5003, 0.2880,
0.4245

■ 13.5003, 0.2880,
0.4245

■ 13.0879, 0.2847,
0.4488

■ 14.0027, 0.2923,
0.4013

■ 12.7584, 0.2825,
0.4736

■ 14.5984, 0.2972,
0.3798

■ 12.5061, 0.2819,
0.4979


■ 15.2925, 0.3025,
0.3601

■ 12.3243, 0.2827,
0.5209


■ 16.0894, 0.3081,
0.3423

■ 12.1930, 0.2846,
0.5419


■ 16.9930, 0.3137,
0.3264

 12.1717, 0.2848,
0.5453

 18.0072, 0.3192,
0.3123

 19.1357, 0.3245,
0.3000

 20.3818, 0.3296,
0.2891

 21.7489, 0.3345,
0.2796

Harmonies

Analogous

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



13.5003, 0.3518, 0.4496



13.5003, 0.2880, 0.4245



13.5003, 0.2342, 0.3631

Triad

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



13.5003, 0.2880, 0.4245



13.5003, 0.2192, 0.2289



13.5003, 0.4362, 0.3412

Complementary

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



13.5003, 0.2880, 0.4245



7.5474, 0.3524, 0.2506

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.



13.5003, 0.3931, 0.2933



13.5003, 0.2880, 0.4245



13.5003, 0.2643, 0.2316

Square

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



13.5003, 0.2880, 0.4245



13.5003, 0.1982, 0.2499



13.5003, 0.3277, 0.2546



13.5003, 0.4407, 0.3909

Rectangle

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



13.5003, 0.2880, 0.4245



13.5003, 0.2104, 0.3175



13.5003, 0.3277, 0.2546



13.5003, 0.4257, 0.3247

Sweetspot

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



13.5009, 0.2880, 0.4245



27.3959, 0.3047, 0.3529



14.8699, 0.3548, 0.4513



6.2825, 0.3038, 0.3559



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.



13.5009, 0.2880, 0.4245



22.9182, 0.2843, 0.4518



13.9629, 0.2611, 0.3535



3.7796, 0.3077, 0.3435



13.5450, 0.2851, 0.5462



67.3299, 0.2877, 0.5559

Inverse Universe

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



7.5474, 0.3524, 0.2506



11.0961, 0.3655, 0.2344



7.1336, 0.4124, 0.3071



3.4358, 0.3181, 0.3150



4.5705, 0.4205, 0.2090



22.6038, 0.4274, 0.2128

Previews

White Background



This preview shows how the Yxy color 13.5003, 0.2880, 0.4245 looks on a white background.

Color Contrast Check

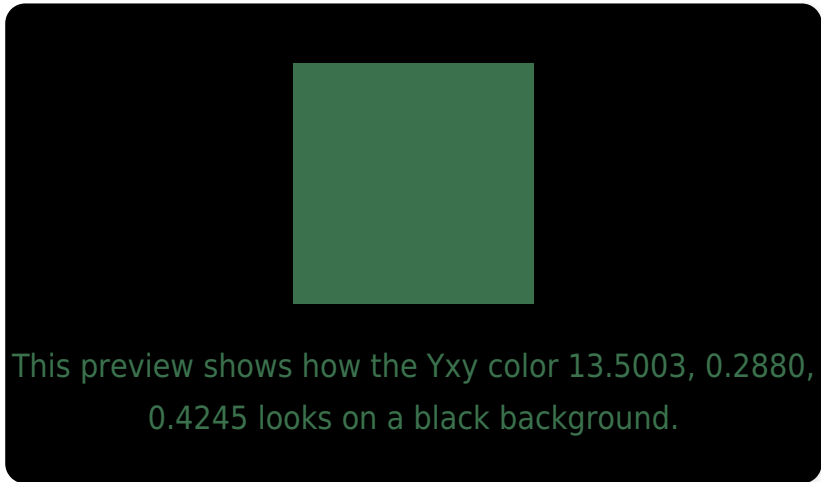
Large Text (above 18pt) WCAG AA ✓ Pass

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

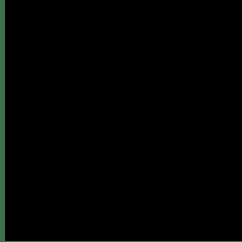
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5003, 0.2880, 0.4245

Background



This preview shows how black text looks on a background with the Yxy color 13.5003, 0.2880, 0.4245.



This preview shows how white text looks on a background with the Yxy color 13.5003, 0.2880, 0.4245.

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

13.5003, 0.2880, 0.4245

Protanopia

13.2856, 0.3667, 0.3945

Deuteranopia

13.3076, 0.3735, 0.3665



Tritanopia

13.5105, 0.2552, 0.3080

Trichromacy



Original Color

13.5003, 0.2880, 0.4245

Protanomaly

13.0266, 0.3329, 0.4051

Deuteranomaly

13.0618, 0.3375, 0.3867

Tritanomaly

13.4720, 0.2667, 0.3484

Monochromacy



Original Color

13.5003, 0.2880, 0.4245

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.7448, 0.3026, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5003, 0.2880, 0.4245 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(59, 114, 77)` looks like.

```
.text, #text, p{  
    color:rgb(59, 114, 77)  
}
```

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(59, 114, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 114, 77) }
```

Border

The CSS property to change the border of an element to Yxy 13.5003, 0.2880, 0.4245 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(59, 114, 77) }
```

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

```
.border{ border-color:rgb(59, 114, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 114, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 114, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 114, 77);  
box-shadow:4px 4px 4px 4px rgb(59, 114,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5003, 0.2880, 0.4245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 114, 77) }
```

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

```
.background{ background-color: rgb(59, 114,  
77) }
```

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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