

# Converting Colors

$Y_{xy}(13.9593, 0.3310, 0.5714)$

Have a look what the booklet for  
Yxy(13.9593, 0.3310, 0.5714)  
contains.

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**Color**

**Yxy(13.9593, 0.3310, 0.5714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	357704
RGB	53, 119, 4
RGB Percent	21%, 47%, 2%
CMY	0.7922, 0.5333, 0.9841
CMYK	0.55, 0.00, 0.97, 0.53
HSL	94°, 93%, 24%
HSV	94°, 97%, 47%
XYZ	8.0863, 13.9593, 2.3844
YIQ	86.1560, -2.4210, -49.7570

# Conversions

## Conversions Part 2

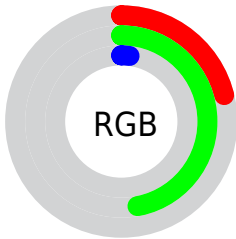
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	4, 119, 70
Decimal	3503876
CIE <sub>Lab</sub>	44.17, -39.46, 47.79
CIE <sub>LCh</sub>	44, 61.982, 129.547
Yxy	13.9593, 0.3310, 0.5714
Android (android.graphics.Color)	4281693956 (0xFF357704)
YUV	86.1560, -40.5029, -29.0778
Hunter-Lab	37.3621, -26.7508, 22.3697

# Details

The Yxy color **13.9593, 0.3310, 0.5714** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.7249, 0.2245, 0.1036**, and the grayscale version is **9.4296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0634, 0.3363, 0.5086**, and **4.2562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.8895, 0.3297, 0.5764**, and if you desaturate by 10%, it is **14.1869, 0.3349, 0.5562**.

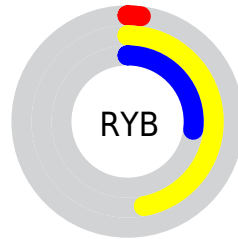
# Distribution



Red (21%)

Green (47%)

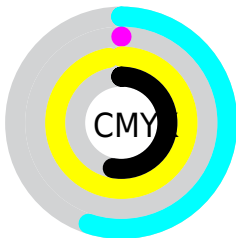
Blue (2%)



Red (2%)

Yellow (47%)

Blue (27%)

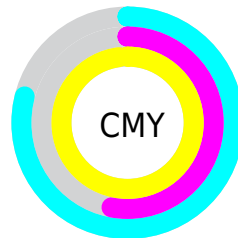


Cyan (55%)

Magenta (0%)

Yellow (97%)

Black (53%)



Cyan (79%)

Magenta (53%)


Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 13.9593, 0.3310, 0.5714 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 13.9593, 0.3310, 0.5714 by changing the saturation by 10% instead.





 13.9593, 0.3310,  
0.5714


 13.9593, 0.3310,  
0.5714


216.9775, 0.3310,  
0.4206


 8.0924, 0.3215,  
0.6190


 33.0168, 0.3361,  
0.5088


 4.1541, 0.3043,  
0.6957

 46.9761, 0.3361,  
0.4875


 1.7601, 0.2308,  
0.7692

 64.4017, 0.3355,  
0.4706

 0.4621, 0.0000,  
1.0000

 85.6780, 0.3347,  
0.4568


 0.0000, 0.0000,  
0.0000


 111.1893, 0.3338,  
0.4454


 141.3201, 0.3328,

0.4358


 176.4547, 0.3319,  
0.4277


 13.9593, 0.3310,  
0.5714


 13.9593, 0.3310,  
0.5714


 13.8895, 0.3297,  
0.5764

 14.1869, 0.3349,  
0.5562

 14.4588, 0.3374,  
0.5364

 14.7817, 0.3381,  
0.5121

 15.1590, 0.3371,  
0.4846

 15.5935, 0.3346,  
0.4554

■ 16.0881, 0.3309,  
0.4259

■ 16.6453, 0.3264,  
0.3972

■ 17.2674, 0.3214,  
0.3699

■ 17.9566, 0.3162,  
0.3445

# Harmonies

## Analogous

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



13.9593, 0.4391, 0.5215



13.9593, 0.3310, 0.5714



13.9593, 0.2240, 0.5041

# Triad

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



13.9593, 0.3310, 0.5714



13.9593, 0.1248, 0.1705



13.9593, 0.4996, 0.2786

# Complementary

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



13.9593, 0.3310, 0.5714



2.7249, 0.2245, 0.1036

# 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.



13.9593, 0.3735, 0.2143



13.9593, 0.3310, 0.5714



13.9593, 0.1659, 0.1553

# Square

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



13.9593, 0.3310, 0.5714



13.9593, 0.1178, 0.2283



13.9593, 0.2486, 0.1710



13.9593, 0.5563, 0.3524



# Rectangle

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



13.9593, 0.3310, 0.5714



13.9593, 0.1681, 0.4012



13.9593, 0.2486, 0.1710



13.9593, 0.4621, 0.2556

# Sweetspot

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



13.9599, 0.3310, 0.5714



29.4790, 0.3279, 0.4061



8.2110, 0.5097, 0.4284



6.9036, 0.3295, 0.4161



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290



# Same Dimension

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



13.9599, 0.3310, 0.5714



24.7916, 0.3280, 0.5778



13.2467, 0.2983, 0.5887



4.1673, 0.3175, 0.3505



14.7501, 0.3295, 0.5766



71.3957, 0.3258, 0.5795



# Inverse Universe

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



2.7249, 0.2245, 0.1036



4.5260, 0.2188, 0.0979



5.1654, 0.3369, 0.1651



3.6840, 0.3076, 0.3077



2.7285, 0.2208, 0.0990

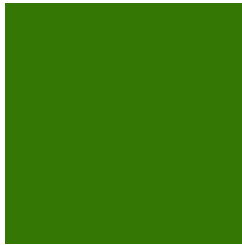


12.7834, 0.2159, 0.0963



# Previews

## White Background



This preview shows how the Yxy color 13.9593, 0.3310, 0.5714 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

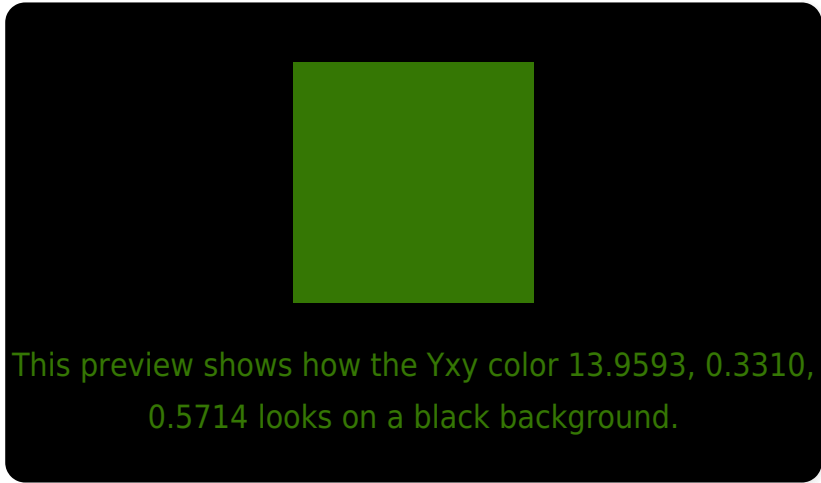
Any Text WCAG AA ✓ Pass

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 13.9593, 0.3310, 0.5714**

## **Background**



This preview shows how black text looks on a background with the Yxy color 13.9593, 0.3310, 0.5714.



This preview shows how white text looks on a background with the Yxy color 13.9593, 0.3310, 0.5714.

# 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

13.9593, 0.3310, 0.5714

### Protanopia

13.6825, 0.4394, 0.4893

### Deuteranopia

13.8192, 0.4564, 0.4506



## Tritanopia

14.0645, 0.2560, 0.3084

# Trichromacy



## Original Color

13.9593, 0.3310, 0.5714

## Protanomaly

13.3192, 0.3960, 0.5228

## Deuteranomaly

13.2321, 0.4079, 0.4976

## Tritanomaly

13.6747, 0.2923, 0.4204

# Monochromacy



## Original Color

13.9593, 0.3310, 0.5714

## Achromatopsia

9.3059, 0.3127, 0.3290

## Achromatomaly

10.4767, 0.3332, 0.4415

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 13.9593, 0.3310, 0.5714 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(53, 119, 4)` looks like.

```
.text, #text, p{  
    color:rgb(53, 119, 4)  
}
```

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(53, 119, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 119, 4) }
```

## Border

The CSS property to change the border of an element to Yxy 13.9593, 0.3310, 0.5714 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(53, 119, 4) }
```

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

```
.border{ border-color:rgb(53, 119, 4) }
```

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

Here you see how a box with a 4 pixel rgb(53, 119, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 119, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 119, 4);  
box-shadow:4px 4px 4px 4px rgb(53, 119, 4)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 13.9593, 0.3310, 0.5714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 119, 4) }
```

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

```
.background{ background-color: rgb(53, 119,  
4) }
```

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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