

Converting Colors

$Y_{xy}(13.4981, 0.3282, 0.5619)$

Have a look what the booklet for
Yxy(13.4981, 0.3282, 0.5619)
contains.

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Color

Yxy(13.4871, 0.3278, 0.5622)

Conversions

Conversions Part 1

Format	Color
Hex	34750F
RGB	52, 117, 15
RGB Percent	20%, 46%, 6%
CMY	0.7960, 0.5412, 0.9413
CMYK	0.56, 0.00, 0.87, 0.54
HSL	98°, 77%, 26%
HSV	98°, 87%, 46%
XYZ	7.8639, 13.4871, 2.6389
YIQ	85.9370, -5.9980, -45.5020

Conversions

Conversions Part 2

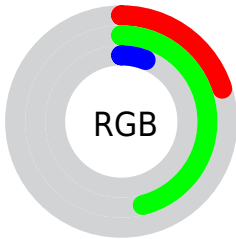
Format	Color
RYB	15, 117, 80
Decimal	3437839
CIELab	43.49, -38.54, 44.69
CIELCh	43, 59.012, 130.777
Yxy	13.4871, 0.3278, 0.5622
Android (android.graphics.Color)	4281627919 (0xFF34750F)
YUV	85.9370, -34.9719, -29.7627
Hunter-Lab	36.7248, -26.0462, 21.4470

Details

The Yxy color **13.4871, 0.3278, 0.5622** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.3278, 0.2464, 0.1227**, and the grayscale version is **9.3685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2433, 0.3324, 0.5010**, and **4.1342, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.2780, 0.3238, 0.5777**, and if you desaturate by 10%, it is **13.7445, 0.3307, 0.5420**.

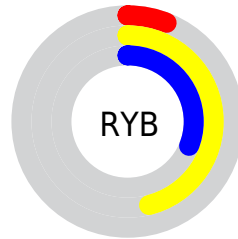
Distribution



Red (20%)

Green (46%)

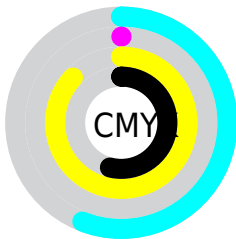
Blue (6%)



Red (6%)

Yellow (46%)

Blue (31%)

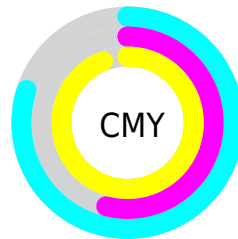


Cyan (56%)

Magenta (0%)

Yellow (87%)

Black (54%)



Cyan (80%)


Magenta (54%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4871, 0.3278, 0.5622 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 13.4871, 0.3278, 0.5622 by changing the saturation by 10% instead.


 13.4871, 0.3278,
0.5622


 13.4871, 0.3278,
0.5622


214.0163, 0.3285,
0.4158


 7.7648, 0.3187,
0.6097


 32.1761, 0.3326,
0.5006


 3.9448, 0.3055,
0.6945

 45.9117, 0.3327,
0.4800

 1.6427, 0.2255,
0.7745

 63.0871, 0.3322,
0.4636

 0.3862, 0.0000,
1.0000

 84.0868, 0.3315,
0.4504


 0.0000, 0.0000,
0.0000


 109.2952, 0.3308,
0.4395


 139.0966, 0.3300,

0.4303


 173.8755, 0.3292,
0.4225


 13.4871, 0.3278,
0.5622

 13.4871, 0.3278,
0.5622

 13.2780, 0.3238,
0.5777

 13.7445, 0.3307,
0.5420

 13.2255, 0.3228,
0.5819

 14.0555, 0.3320,
0.5171

 14.4241, 0.3318,
0.4888

 14.8537, 0.3302,
0.4589

 15.3472, 0.3275,
0.4287

■ 15.9074, 0.3240,
0.3994

■ 16.5367, 0.3201,
0.3717

■ 17.2376, 0.3158,
0.3461

■ 18.0125, 0.3115,
0.3227

Harmonies

Analogous

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



13.4871, 0.4333, 0.5202



13.4871, 0.3278, 0.5622



13.4871, 0.2239, 0.4913

Triad

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



13.4871, 0.3278, 0.5622



13.4871, 0.1304, 0.1738



13.4871, 0.4969, 0.2836

Complementary

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



13.4871, 0.3278, 0.5622



3.3278, 0.2464, 0.1227

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.



13.4871, 0.3771, 0.2199



13.4871, 0.3278, 0.5622



13.4871, 0.1725, 0.1599

Square

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



13.4871, 0.3278, 0.5622



13.4871, 0.1224, 0.2288



13.4871, 0.2552, 0.1764



13.4871, 0.5489, 0.3566

Rectangle

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



13.4871, 0.3278, 0.5622



13.4871, 0.1702, 0.3924



13.4871, 0.2552, 0.1764



13.4871, 0.4616, 0.2609

Sweetspot

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



13.4877, 0.3278, 0.5622



28.5430, 0.3238, 0.3978



9.4931, 0.4773, 0.4416



6.4979, 0.3248, 0.4055



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.4877, 0.3278, 0.5622



23.6106, 0.3211, 0.5833



12.9107, 0.2951, 0.5625



4.1570, 0.3166, 0.3506



14.5630, 0.3225, 0.5822



70.5205, 0.3189, 0.5850

Inverse Universe

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



3.3278, 0.2464, 0.1227



4.8655, 0.2327, 0.1055



5.1096, 0.3502, 0.1794



3.6946, 0.3085, 0.3077



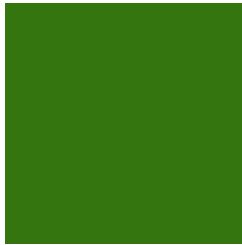
3.0327, 0.2344, 0.1065



14.2823, 0.2299, 0.1040

Previews

White Background



This preview shows how the Yxy color 13.4871, 0.3278, 0.5622 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



This preview shows how the Yxy color 13.4871, 0.3278, 0.5622 looks on a 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 13.4871, 0.3278, 0.5622

Background



This preview shows how black text looks on a background with the Yxy color 13.4871, 0.3278, 0.5622.



This preview shows how white text looks on a background with the Yxy color 13.4871, 0.3278, 0.5622.

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

13.4871, 0.3278, 0.5622

Protanopia

13.3672, 0.4342, 0.4847

Deuteranopia

13.2224, 0.4529, 0.4474



Tritanopia

13.5105, 0.2552, 0.3080

Trichromacy



Original Color

13.4871, 0.3278, 0.5622

Protanomaly

13.0270, 0.3904, 0.5167

Deuteranomaly

12.6718, 0.4025, 0.4922

Tritanomaly

13.2392, 0.2878, 0.4084

Monochromacy



Original Color

13.4871, 0.3278, 0.5622

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.3315, 0.3284, 0.4287

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4871, 0.3278, 0.5622 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(52, 117, 15)` looks like.

```
.text, #text, p{  
    color:rgb(52, 117, 15)  
}
```

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(52, 117, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 117, 15) }
```

Border

The CSS property to change the border of an element to Yxy 13.4871, 0.3278, 0.5622 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(52, 117, 15) }
```

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

```
.border{ border-color:rgb(52, 117, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 117, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 117, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 117, 15);  
box-shadow:4px 4px 4px 4px rgb(52, 117,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4871, 0.3278, 0.5622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 117, 15) }
```

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

```
.background{ background-color: rgb(52, 117,  
15) }
```

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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