

Converting Colors

$Y_{xy}(13.7397, 0.2608, 0.5657)$

Have a look what the booklet for
Yxy(13.7397, 0.2608, 0.5657)
contains.

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Color

Yxy(14.3124, 0.2859, 0.5494)

Conversions

Conversions Part 1

Format	Color
Hex	007B27
RGB	0, 123, 39
RGB Percent	0%, 48%, 15%
CMY	1.0000, 0.5176, 0.8470
CMYK	1.00, 0.00, 0.68, 0.52
HSL	139°, 100%, 24%
HSV	139°, 100%, 48%
XYZ	7.4480, 14.3124, 4.2906
YIQ	76.6470, -46.3440, -52.2000

Conversions

Conversions Part 2

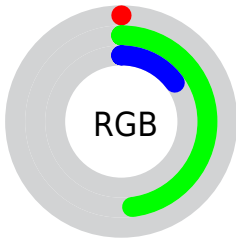
Format	Color
RYB	0, 93, 123
Decimal	31527
CIELab	44.68, -47.58, 36.56
CIELCh	45, 60.003, 142.463
Yxy	14.3124, 0.2859, 0.5494
Android (android.graphics.Color)	4278221607 (0xFF007B27)
YUV	76.6470, -18.5600, -67.2194
Hunter-Lab	37.8317, -31.0641, 19.7580

Details

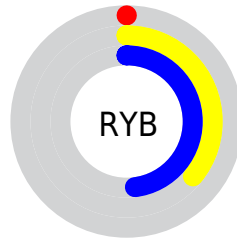
The Yxy color **14.3124, 0.2859, 0.5494** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.8513, 0.4170, 0.2071**, and the grayscale version is **7.3950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7686, 0.2987, 0.4890**, and **4.6347, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.3139, 0.2859, 0.5494**, and if you desaturate by 10%, it is **14.4563, 0.2840, 0.5289**.

Distribution



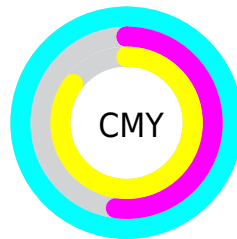
- Red (0%)
- Green (48%)
- Blue (15%)



- Red (0%)
- Yellow (36%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (68%)
- Black (52%)





- Cyan (100%)
- Magenta (52%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3124, 0.2859, 0.5494 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 14.3124, 0.2859, 0.5494 by changing the saturation by 10% instead.


 14.3124, 0.2859,
0.5494

 14.3124, 0.2859,
0.5494


219.1657, 0.3091,
0.4086


 8.3383, 0.2725,
0.5991


 33.6423, 0.2986,
0.4884


 4.3122, 0.2510,
0.6827

 47.7669, 0.3018,
0.4687


 1.8497, 0.1715,
0.8285

 65.3771, 0.3040,
0.4532

 0.5178, 0.0000,
1.0000


 86.8572, 0.3057,
0.4408


 0.0000, 0.0000,
0.0000


 112.5918, 0.3069,
0.4306


 142.9651, 0.3078,

0.4220

 178.3616, 0.3085,
0.4148


 14.3124, 0.2859,
0.5494


 14.3124, 0.2859,
0.5494

 14.3139, 0.2859,
0.5494

 14.4563, 0.2840,
0.5289

 14.6527, 0.2827,
0.5061

 14.9314, 0.2830,
0.4815

 15.3013, 0.2848,
0.4562

 15.7697, 0.2878,
0.4312

■ 16.3436, 0.2918,
0.4072

■ 17.0289, 0.2966,
0.3848

■ 17.8315, 0.3018,
0.3642

■ 18.7565, 0.3072,
0.3456

Harmonies

Analogous

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



14.3124, 0.3934, 0.5450



14.3124, 0.2859, 0.5494



14.3124, 0.1906, 0.4349

Triad

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



14.3124, 0.2859, 0.5494



14.3124, 0.1429, 0.1648



14.3124, 0.5271, 0.3115

Complementary

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



14.3124, 0.2859, 0.5494



4.8513, 0.4170, 0.2071

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.



14.3124, 0.4275, 0.2432



14.3124, 0.2859, 0.5494



14.3124, 0.1997, 0.1633

Square

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



14.3124, 0.2859, 0.5494



14.3124, 0.1220, 0.2017



14.3124, 0.2992, 0.1907



14.3124, 0.5447, 0.3870

Rectangle

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



14.3124, 0.2859, 0.5494



14.3124, 0.1486, 0.3345



14.3124, 0.2992, 0.1907



14.3124, 0.5015, 0.2877

Sweetspot

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



14.3139, 0.2859, 0.5494



30.3940, 0.2962, 0.3864



16.0546, 0.3663, 0.5473



7.0532, 0.2945, 0.3940



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



14.3139, 0.2859, 0.5494



25.6062, 0.2871, 0.5536



15.0963, 0.2406, 0.3862



4.4690, 0.3077, 0.3440



14.8053, 0.2860, 0.5496



70.4841, 0.2885, 0.5586

Inverse Universe

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



4.8513, 0.4170, 0.2071



8.6599, 0.4199, 0.2087



4.2715, 0.6044, 0.3103



4.0569, 0.3181, 0.3145



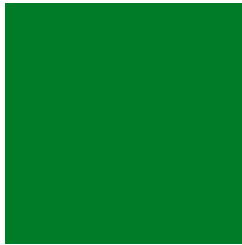
5.0172, 0.4172, 0.2072



23.7726, 0.4235, 0.2107

Previews

White Background



This preview shows how the Yxy color 14.3124, 0.2859, 0.5494 looks on a white background.

Color Contrast Check

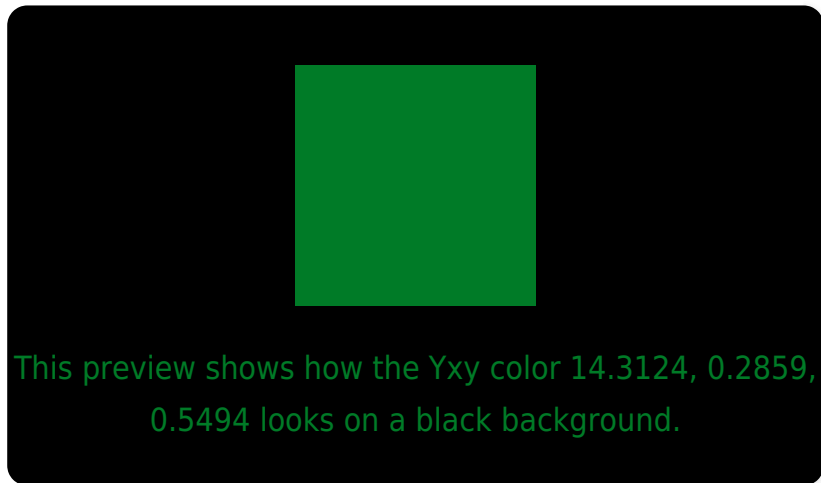
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.3124, 0.2859, 0.5494

Background



This preview shows how black text looks on a background with the Yxy color 14.3124, 0.2859, 0.5494.



This preview shows how white text looks on a background with the Yxy color 14.3124, 0.2859, 0.5494.

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

14.3124, 0.2859, 0.5494

Protanopia

14.2751, 0.4196, 0.4638

Deuteranopia

14.1449, 0.4342, 0.4256



Tritanopia

14.3948, 0.2371, 0.3080

Trichromacy



Original Color

14.3124, 0.2859, 0.5494

Protanomaly

13.2116, 0.3471, 0.5087

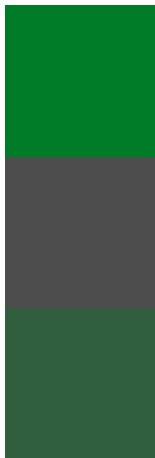
Deuteranomaly

12.7460, 0.3544, 0.4814

Tritanomaly

14.0543, 0.2535, 0.3937

Monochromacy



Original Color

14.3124, 0.2859, 0.5494

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

9.0173, 0.2895, 0.4233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3124, 0.2859, 0.5494 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(0, 123, 39)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 39)  
}
```

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(0, 123, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 39) }
```

Border

The CSS property to change the border of an element to Yxy 14.3124, 0.2859, 0.5494 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(0, 123, 39) }
```

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

```
.border{ border-color:rgb(0, 123, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 123, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 39);  
box-shadow:4px 4px 4px 4px rgb(0, 123, 39)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.3124, 0.2859, 0.5494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 39) }
```

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

```
.background{ background-color: rgb(0, 123,  
39) }
```

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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