

Converting Colors

$Y_{xy}(15.5973, 0.3122, 0.5611)$

Have a look what the booklet for
Yxy(15.5973, 0.3122, 0.5611)
contains.

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Color

Yxy(15.5099, 0.3124, 0.5606)

Conversions

Conversions Part 1

Format	Color
Hex	2B7E1A
RGB	43, 126, 26
RGB Percent	17%, 49%, 10%
CMY	0.8314, 0.5059, 0.8981
CMYK	0.66, 0.00, 0.79, 0.51
HSL	110°, 66%, 30%
HSV	110°, 79%, 49%
XYZ	8.6430, 15.5099, 3.5137
YIQ	89.7830, -17.3680, -48.6960

Conversions

Conversions Part 2

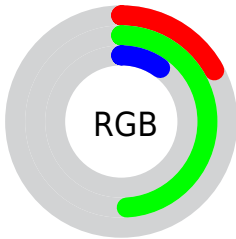
Format	Color
RYB	26, 126, 109
Decimal	2850330
CIELab	46.32, -43.80, 43.78
CIELCh	46, 61.929, 135.010
Yxy	15.5099, 0.3124, 0.5606
Android (android.graphics.Color)	4281040410 (0xFF2B7E1A)
YUV	89.7830, -31.4450, -41.0287
Hunter-Lab	39.3826, -29.7453, 22.2781

Details

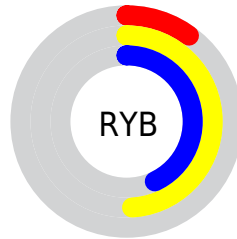
The Yxy color **15.5099, 0.3124, 0.5606** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.4943, 0.2885, 0.1518**, and the grayscale version is **10.2470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9019, 0.3197, 0.5002**, and **5.1689, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.2684, 0.3095, 0.5799**, and if you desaturate by 10%, it is **15.8354, 0.3146, 0.5350**.

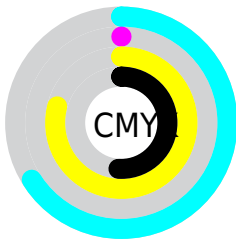
Distribution



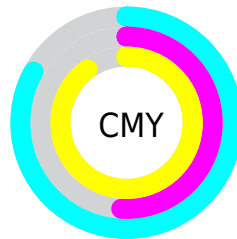
- Red (17%)
- Green (49%)
- Blue (10%)



- Red (10%)
- Yellow (49%)
- Blue (43%)



- Cyan (66%)
- Magenta (0%)
- Yellow (79%)
- Black (51%)




- Cyan (83%)
- Magenta (51%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5099, 0.3124, 0.5606 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 15.5099, 0.3124, 0.5606 by changing the saturation by 10% instead.


 15.5099, 0.3124,
0.5606


 15.5099, 0.3124,
0.5606


226.4321, 0.3216,
0.4162


 9.1780, 0.3022,
0.6076


 35.7452, 0.3200,
0.4999


 4.8575, 0.2896,
0.6943

 50.4175, 0.3213,
0.4797

 2.1639, 0.2306,
0.7694

 68.6387, 0.3219,
0.4636

 0.7002, 0.0000,
1.0000


 90.7932, 0.3222,
0.4505

 0.0000, 0.0000,
0.0000


 117.2654, 0.3222,
0.4397


 148.4396, 0.3220,

0.4306

 184.7004, 0.3218,
0.4229

 15.5099, 0.3124,
0.5606


 15.5099, 0.3124,
0.5606


 15.2684, 0.3095,
0.5799


 15.8354, 0.3146,
0.5350


 15.0958, 0.3068,
0.5939

 16.2500, 0.3161,
0.5051

 15.0869, 0.3067,
0.5947

 16.7605, 0.3168,
0.4728

 17.3725, 0.3168,
0.4400

 18.0912, 0.3163,
0.4084

■ 18.9213, 0.3153,
0.3788

■ 19.8675, 0.3140,
0.3518

■ 20.9340, 0.3126,
0.3276

■ 22.1247, 0.3111,
0.3062

Harmonies

Analogous

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



15.5099, 0.4192, 0.5305



15.5099, 0.3124, 0.5606



15.5099, 0.2108, 0.4723

Triad

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



15.5099, 0.3124, 0.5606



15.5099, 0.1340, 0.1696



15.5099, 0.5098, 0.2935

Complementary

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



15.5099, 0.3124, 0.5606



5.4943, 0.2885, 0.1518

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.



15.5099, 0.3958, 0.2278



15.5099, 0.3124, 0.5606



15.5099, 0.1813, 0.1603

Square

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



15.5099, 0.3124, 0.5606



15.5099, 0.1213, 0.2177



15.5099, 0.2703, 0.1808



15.5099, 0.5494, 0.3675

Rectangle

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



15.5099, 0.3124, 0.5606



15.5099, 0.1612, 0.3709



15.5099, 0.2703, 0.1808



15.5099, 0.4776, 0.2703

Sweetspot

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



15.5106, 0.3124, 0.5606



32.5225, 0.3158, 0.3938



15.1649, 0.4352, 0.4674



7.3022, 0.3161, 0.4026



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.



15.5106, 0.3124, 0.5606



26.6326, 0.3070, 0.5901



15.4439, 0.2827, 0.5052



4.8512, 0.3140, 0.3511



15.4753, 0.3066, 0.5947



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.4943, 0.2885, 0.1518



8.1320, 0.2808, 0.1343



5.9876, 0.3898, 0.2120



4.3766, 0.3112, 0.3076



4.5978, 0.2795, 0.1314



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.5099, 0.3124, 0.5606 looks on a white background.

Color Contrast Check

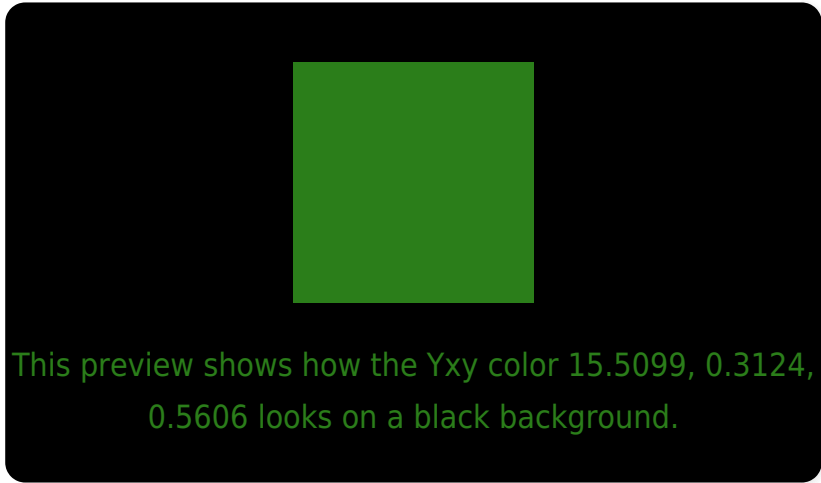
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5099, 0.3124, 0.5606

Background



This preview shows how black text looks on a background with the Yxy color 15.5099, 0.3124, 0.5606.



This preview shows how white text looks on a background with the Yxy color 15.5099, 0.3124, 0.5606.

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

15.5099, 0.3124, 0.5606

Protanopia

15.2062, 0.4313, 0.4759

Deuteranopia

15.3464, 0.4486, 0.4417



Tritanopia

15.4131, 0.2475, 0.3067

Trichromacy



Original Color

15.5099, 0.3124, 0.5606

Protanomaly

14.7030, 0.3801, 0.5127

Deuteranomaly

14.5762, 0.3910, 0.4893

Tritanomaly

15.0707, 0.2755, 0.4028

Monochromacy



Original Color

15.5099, 0.3124, 0.5606

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.5222, 0.3164, 0.4234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5099, 0.3124, 0.5606 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(43, 126, 26)` looks like.

```
.text, #text, p{  
    color:rgb(43, 126, 26)  
}
```

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(43, 126, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 126, 26) }
```

Border

The CSS property to change the border of an element to Yxy 15.5099, 0.3124, 0.5606 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(43, 126, 26) }
```

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

```
.border{ border-color:rgb(43, 126, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 126, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 126, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 126, 26);  
box-shadow:4px 4px 4px 4px rgb(43, 126,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5099, 0.3124, 0.5606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 126, 26) }
```

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

```
.background{ background-color: rgb(43, 126,  
26) }
```

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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