

Converting Colors

$Y_{xy}(11.1897, 0.3398, 0.6445)$

Have a look what the booklet for
Yxy(11.1897, 0.3398, 0.6445)
contains.

Yxy(11.3123, 0.3200, 0.5842)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.3123, 0.3200, 0.5842)

Conversions

Conversions Part 1

Format	Color
Hex	246D00
RGB	36, 109, 0
RGB Percent	14%, 43%, 0%
CMY	0.8587, 0.5725, 1.0000
CMYK	0.67, 0.00, 1.00, 0.57
HSL	100°, 100%, 21%
HSV	100°, 100%, 43%
XYZ	6.1964, 11.3123, 1.8550
YIQ	74.7470, -8.5190, -49.3750

Conversions

Conversions Part 2

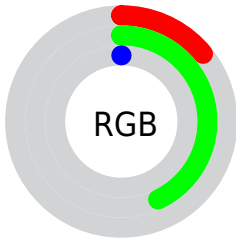
Format	Color
RYB	0, 109, 73
Decimal	2387200
CIELab	40.10, -40.58, 45.26
CIELCh	40, 60.792, 131.878
Yxy	11.3123, 0.3200, 0.5842
Android (android.graphics.Color)	4280577280 (0xFF246D00)
YUV	74.7470, -36.8503, -33.9811
Hunter-Lab	33.6338, -25.9738, 20.2735

Details

The Yxy color **11.3123, 0.3200, 0.5842** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **2.5199, 0.2427, 0.1111**, and the grayscale version is **7.0581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0808, 0.3285, 0.5139**, and **3.2317, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.3129, 0.3200, 0.5841**, and if you desaturate by 10%, it is **11.4819, 0.3236, 0.5683**.

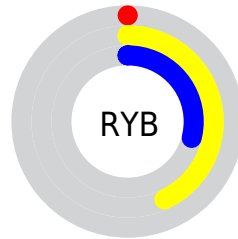
Distribution



Red (14%)

Green (43%)

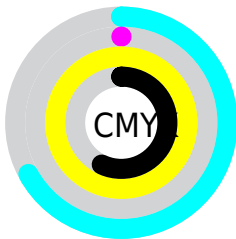
Blue (0%)



Red (0%)

Yellow (43%)

Blue (29%)

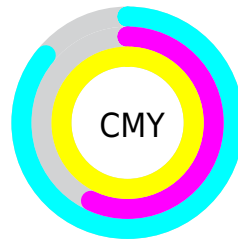


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (86%)


Magenta (57%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3123, 0.3200, 0.5842 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 11.3123, 0.3200, 0.5842 by changing the saturation by 10% instead.


 11.3123, 0.3200,
0.5842


 11.3123, 0.3200,
0.5842


 199.7978, 0.3271,
0.4203


 6.2773, 0.3084,
0.6440


 28.2362, 0.3287,
0.5140


 3.0144, 0.2774,
0.7226

 40.8940, 0.3296,
0.4909


 1.1393, 0.0596,
0.9404

 56.8614, 0.3297,
0.4727

 0.0112, 0.0000,
1.0000


 76.5229, 0.3294,
0.4580


 0.0000, 0.0000,
0.0000


 100.2629, 0.3289,
0.4460


 128.4658, 0.3283,

0.4360


 161.5159, 0.3277,
0.4275


 11.3123, 0.3200,
0.5842


 11.3123, 0.3200,
0.5842


 11.3129, 0.3200,
0.5841

 11.4819, 0.3236,
0.5683

 11.6885, 0.3269,
0.5492

 11.9426, 0.3288,
0.5250

 12.2474, 0.3292,
0.4971

 12.6060, 0.3283,
0.4672

■ 13.0209, 0.3263,
0.4368

■ 13.4949, 0.3235,
0.4071

■ 14.0300, 0.3202,
0.3789

■ 14.6287, 0.3165,
0.3528

Harmonies

Analogous

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



11.3123, 0.4334, 0.5347



11.3123, 0.3200, 0.5842



11.3123, 0.2110, 0.5035

Triad

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



11.3123, 0.3200, 0.5842



11.3123, 0.1204, 0.1618



11.3123, 0.5169, 0.2811

Complementary

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



11.3123, 0.3200, 0.5842



2.5199, 0.2427, 0.1111

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.



11.3123, 0.3872, 0.2142



11.3123, 0.3200, 0.5842



11.3123, 0.1652, 0.1494

Square

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



11.3123, 0.3200, 0.5842



11.3123, 0.1104, 0.2162



11.3123, 0.2541, 0.1678



11.3123, 0.5673, 0.3567

Rectangle

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



11.3123, 0.3200, 0.5842



11.3123, 0.1561, 0.3912



11.3123, 0.2541, 0.1678



11.3123, 0.4793, 0.2574

Sweetspot

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



11.3129, 0.3200, 0.5841



24.0895, 0.3238, 0.4095



7.9728, 0.4891, 0.4499



5.5419, 0.3247, 0.4187



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.3129, 0.3200, 0.5841



20.1938, 0.3182, 0.5856



10.9817, 0.2942, 0.5790



3.4889, 0.3161, 0.3502



13.2193, 0.3194, 0.5846



66.9285, 0.3158, 0.5875

Inverse Universe

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



2.5199, 0.2427, 0.1111



4.4429, 0.2406, 0.1099



4.0037, 0.3656, 0.1788



3.1163, 0.3090, 0.3081



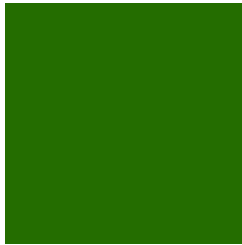
2.9339, 0.2421, 0.1107



14.4628, 0.2377, 0.1083

Previews

White Background



This preview shows how the Yxy color 11.3123, 0.3200, 0.5842 looks on a white background.

Color Contrast Check

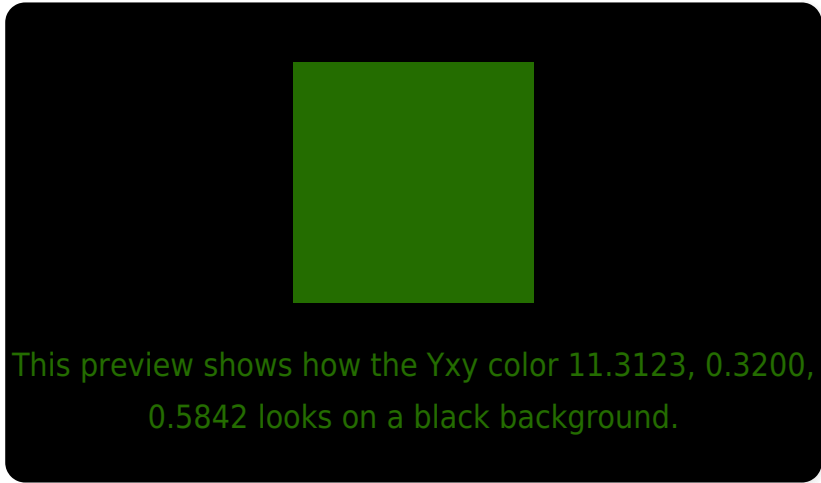
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.3123, 0.3200, 0.5842

Background



This preview shows how black text looks on a background with the Yxy color 11.3123, 0.3200, 0.5842.



This preview shows how white text looks on a background with the Yxy color 11.3123, 0.3200, 0.5842.

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

11.3123, 0.3200, 0.5842

Protanopia

11.0696, 0.4396, 0.4892

Deuteranopia

11.1286, 0.4566, 0.4483



Tritanopia

11.2813, 0.2490, 0.3087

Trichromacy



Original Color

11.3123, 0.3200, 0.5842

Protanomaly

10.6730, 0.3894, 0.5290

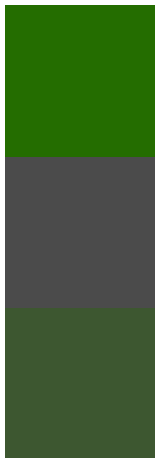
Deuteranomaly

10.5241, 0.4003, 0.5022

Tritanomaly

10.9833, 0.2844, 0.4284

Monochromacy



Original Color

11.3123, 0.3200, 0.5842

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

8.0219, 0.3273, 0.4476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3123, 0.3200, 0.5842 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(36, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(36, 109, 0)  
}
```

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(36, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 109, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.3123, 0.3200, 0.5842 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(36, 109, 0) }
```

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

```
.border{ border-color:rgb(36, 109, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 109, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(36, 109, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.3123, 0.3200, 0.5842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 109, 0) }
```

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

```
.background{ background-color: rgb(36, 109,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor