

Converting Colors

$Y_{xy}(11.9111, 0.3566, 0.5551)$

Have a look what the booklet for
Yxy(11.9111, 0.3566, 0.5551)
contains.

Yxy(11.9184, 0.3572, 0.5546)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.9184, 0.3572, 0.5546)

Conversions

Conversions Part 1

Format	Color
Hex	436C00
RGB	67, 108, 0
RGB Percent	26%, 42%, 0%
CMY	0.7373, 0.5764, 1.0000
CMYK	0.38, 0.00, 1.00, 0.58
HSL	83°, 100%, 21%
HSV	83°, 100%, 42%
XYZ	7.6763, 11.9184, 1.8954
YIQ	83.4290, 10.2320, -42.2800

Conversions

Conversions Part 2

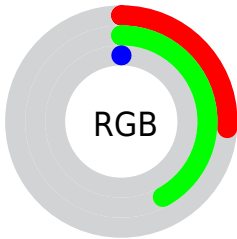
Format	Color
RYB	0, 108, 41
Decimal	4418560
CIELab	41.09, -29.93, 46.59
CIELCh	41, 55.379, 122.721
Yxy	11.9184, 0.3572, 0.5546
Android (android.graphics.Color)	4282608640 (0xFF436C00)
YUV	83.4290, -41.1305, -14.4082
Hunter-Lab	34.5230, -20.7255, 20.9109

Details

The Yxy color **11.9184, 0.3572, 0.5546** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.5548, 0.1860, 0.0798**, and the grayscale version is **8.8260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4504, 0.3561, 0.4969**, and **3.3099, 0.3143, 0.5886** is the 20% darker color. If you saturate the color by 10%, you get **11.9189, 0.3572, 0.5546**, and if you desaturate by 10%, it is **12.0928, 0.3593, 0.5413**.

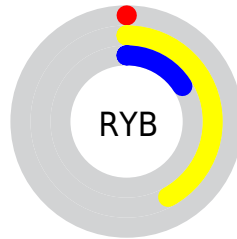
Distribution



Red (26%)

Green (42%)

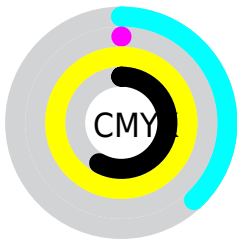
Blue (0%)



Red (0%)

Yellow (42%)

Blue (16%)

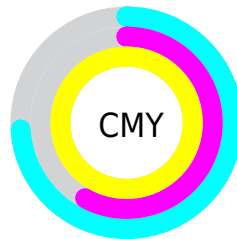


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (74%)


Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9184, 0.3572, 0.5546 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 11.9184, 0.3572, 0.5546 by changing the saturation by 10% instead.


 11.9184, 0.3572,
0.5546


 11.9184, 0.3572,
0.5546


 203.8643, 0.3405,
0.4142


 6.6881, 0.3543,
0.6016


 29.3464, 0.3555,
0.4965


 3.2678, 0.3379,
0.6621

 42.3129, 0.3531,
0.4767

 1.2731, 0.2550,
0.7450

 58.6270, 0.3506,
0.4608

 0.1202, 0.0000,
1.0000


 78.6730, 0.3482,
0.4480


 0.0000, 0.0000,
0.0000


 102.8354, 0.3460,
0.4373


 131.4984, 0.3440,

0.4284

 165.0466, 0.3422,
0.4207


 11.9184, 0.3572,
0.5546


 11.9184, 0.3572,
0.5546


 11.9189, 0.3572,
0.5546

 12.0928, 0.3593,
0.5413

 12.2861, 0.3603,
0.5256

 12.5075, 0.3590,
0.5058

 12.7591, 0.3558,
0.4826

 13.0428, 0.3507,
0.4572

■ 13.3603, 0.3443,
0.4305

■ 13.7131, 0.3370,
0.4037

■ 14.1027, 0.3290,
0.3775

■ 14.5305, 0.3209,
0.3525

Harmonies

Analogous

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



11.9184, 0.4575, 0.4971



11.9184, 0.3572, 0.5546



11.9184, 0.2519, 0.5177

Triad

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



11.9184, 0.3572, 0.5546



11.9184, 0.1279, 0.1865



11.9184, 0.4657, 0.2666

Complementary

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



11.9184, 0.3572, 0.5546



1.5548, 0.1860, 0.0798

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.



11.9184, 0.3415, 0.2079



11.9184, 0.3572, 0.5546



11.9184, 0.1601, 0.1631

Square

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



11.9184, 0.3572, 0.5546



11.9184, 0.1291, 0.2550



11.9184, 0.2303, 0.1717



11.9184, 0.5391, 0.3372

Rectangle

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



11.9184, 0.3572, 0.5546



11.9184, 0.1922, 0.4315



11.9184, 0.2303, 0.1717



11.9184, 0.4266, 0.2452

Sweetspot

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



11.9189, 0.3572, 0.5546



24.0196, 0.3376, 0.4059



4.6794, 0.5705, 0.3852



5.7648, 0.3400, 0.4144



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.



11.9189, 0.3572, 0.5546



20.8545, 0.3556, 0.5558



10.8229, 0.3055, 0.5956



3.5289, 0.3200, 0.3499



14.1991, 0.3567, 0.5550



71.8414, 0.3533, 0.5577

Inverse Universe

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



1.5548, 0.1860, 0.0798



2.6651, 0.1834, 0.0784



3.4417, 0.2891, 0.1366



3.0760, 0.3050, 0.3079



1.8393, 0.1851, 0.0793



8.9067, 0.1796, 0.0763

Previews

White Background



This preview shows how the Yxy color 11.9184, 0.3572, 0.5546 looks on a white background.

Color Contrast Check

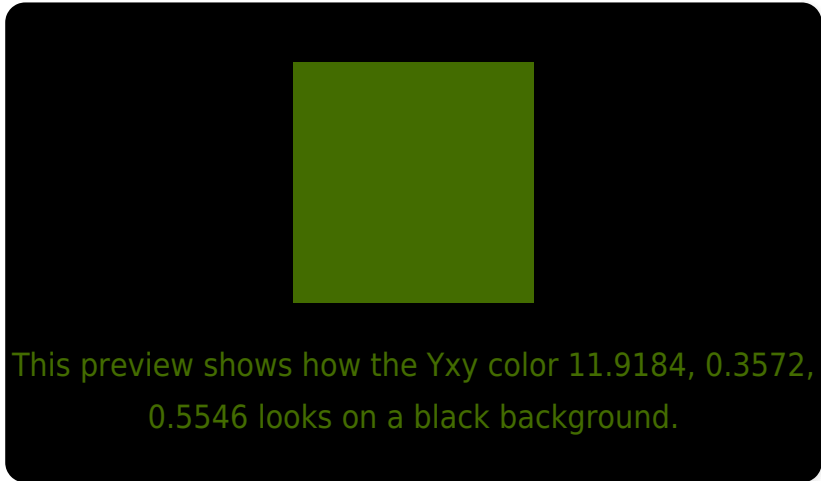
Large Text (above 18pt) WCAG AA ✓ Pass

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

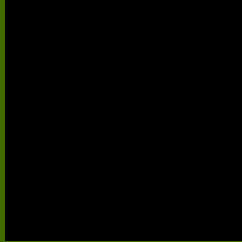
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 11.9184, 0.3572, 0.5546

Background



This preview shows how black text looks on a background with the Yxy color 11.9184, 0.3572, 0.5546.



This preview shows how white text looks on a background with the Yxy color 11.9184, 0.3572, 0.5546.

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

11.9184, 0.3572, 0.5546

Protanopia

11.8006, 0.4390, 0.4896

Deuteranopia

11.8460, 0.4576, 0.4522



Tritanopia

11.8593, 0.2741, 0.3099

Trichromacy



Original Color

11.9184, 0.3572, 0.5546

Protanomaly

11.6870, 0.4079, 0.5143

Deuteranomaly

11.5892, 0.4203, 0.4910

Tritanomaly

11.6260, 0.3168, 0.4173

Monochromacy



Original Color

11.9184, 0.3572, 0.5546

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.4891, 0.3451, 0.4348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9184, 0.3572, 0.5546 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(67, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(67, 108, 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(67, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 108, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.9184, 0.3572, 0.5546 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(67, 108, 0) }
```

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

```
.border{ border-color:rgb(67, 108, 0) }
```

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

Here you see how a box with a 4 pixel rgb(67, 108, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(67, 108, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9184, 0.3572, 0.5546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 108, 0) }
```

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

```
.background{ background-color: rgb(67, 108,  
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