

Converting Colors

$Y_{xy}(10.7209, 0.3546, 0.5566)$

Have a look what the booklet for
Yxy(10.7209, 0.3546, 0.5566)
contains.

Yxy(10.7246, 0.3548, 0.5565)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.7246, 0.3548, 0.5565)

Conversions

Conversions Part 1

Format	Color
Hex	3E6700
RGB	62, 103, 0
RGB Percent	24%, 40%, 0%
CMY	0.7568, 0.5961, 1.0000
CMYK	0.40, 0.00, 1.00, 0.60
HSL	84°, 100%, 20%
HSV	84°, 100%, 40%
XYZ	6.8375, 10.7246, 1.7094
YIQ	78.9990, 8.6270, -40.7250

Conversions

Conversions Part 2

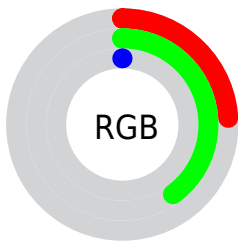
Format	Color
RYB	0, 103, 41
Decimal	4089600
CIELab	39.11, -29.61, 44.94
CIElCh	39, 53.818, 123.375
Yxy	10.7246, 0.3548, 0.5565
Android (android.graphics.Color)	4282279680 (0xFF3E6700)
YUV	78.9990, -38.9465, -14.9081
Hunter-Lab	32.7484, -20.0408, 19.8291

Details

The Yxy color **10.7246, 0.3548, 0.5565** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.4504, 0.1894, 0.0817**, and the grayscale version is **7.8945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9941, 0.3537, 0.4957**, and **2.7711, 0.3085, 0.5932** is the 20% darker color. If you saturate the color by 10%, you get **10.7251, 0.3548, 0.5565**, and if you desaturate by 10%, it is **10.8852, 0.3569, 0.5425**.

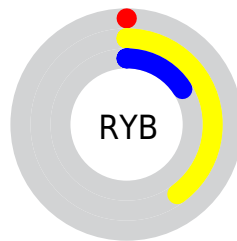
Distribution



Red (24%)

Green (40%)

Blue (0%)



Red (0%)

Yellow (40%)

Blue (16%)

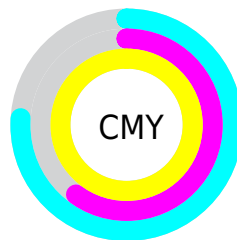


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (76%)


Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7246, 0.3548, 0.5565 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 10.7246, 0.3548, 0.5565 by changing the saturation by 10% instead.


 10.7246, 0.3548,
0.5565


 10.7246, 0.3548,
0.5565


 195.7683, 0.3392,
0.4127


 5.8820, 0.3528,
0.6092

 27.1498, 0.3536,
0.4960


 2.7734, 0.3310,
0.6690

 39.5011, 0.3513,
0.4757

 1.0146, 0.1888,
0.8112

 55.1241, 0.3489,
0.4596


 0.0000, 0.0000,
0.0000

 74.4032, 0.3466,
0.4466

 97.7228, 0.3445,
0.4359


 125.4672, 0.3425,

0.4269


 158.0209, 0.3408,
0.4193


 10.7246, 0.3548,
0.5565


 10.7246, 0.3548,
0.5565


 10.7251, 0.3548,
0.5565

 10.8852, 0.3569,
0.5425

 11.0631, 0.3580,
0.5264

 11.2671, 0.3569,
0.5062

 11.4990, 0.3539,
0.4827

 11.7606, 0.3491,
0.4571

■ 12.0534, 0.3430,
0.4303

■ 12.3788, 0.3360,
0.4035

■ 12.7381, 0.3284,
0.3773

■ 13.1325, 0.3206,
0.3523

Harmonies

Analogous

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



10.7246, 0.4559, 0.4994



10.7246, 0.3548, 0.5565



10.7246, 0.2492, 0.5170

Triad

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



10.7246, 0.3548, 0.5565



10.7246, 0.1274, 0.1848



10.7246, 0.4690, 0.2677

Complementary

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



10.7246, 0.3548, 0.5565



1.4504, 0.1894, 0.0817

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.



10.7246, 0.3444, 0.2084



10.7246, 0.3548, 0.5565



10.7246, 0.1604, 0.1622

Square

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



10.7246, 0.3548, 0.5565



10.7246, 0.1278, 0.2523



10.7246, 0.2318, 0.1715



10.7246, 0.5412, 0.3386

Rectangle

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



10.7246, 0.3548, 0.5565



10.7246, 0.1897, 0.4289



10.7246, 0.2318, 0.1715



10.7246, 0.4300, 0.2461

Sweetspot

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



10.7251, 0.3548, 0.5565



22.1120, 0.3366, 0.4058



4.3665, 0.5651, 0.3895



5.3496, 0.3389, 0.4141



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.7251, 0.3548, 0.5565



19.1357, 0.3531, 0.5579



9.7787, 0.3049, 0.5961



3.2164, 0.3197, 0.3497



13.4730, 0.3541, 0.5571



69.7511, 0.3505, 0.5599

Inverse Universe

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



1.4504, 0.1894, 0.0817



2.5316, 0.1866, 0.0802



3.2026, 0.2932, 0.1389



2.8119, 0.3053, 0.3081



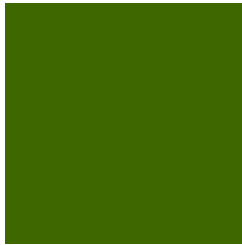
1.8050, 0.1882, 0.0811



8.9340, 0.1825, 0.0779

Previews

White Background



This preview shows how the Yxy color 10.7246, 0.3548, 0.5565 looks on a white background.

Color Contrast Check

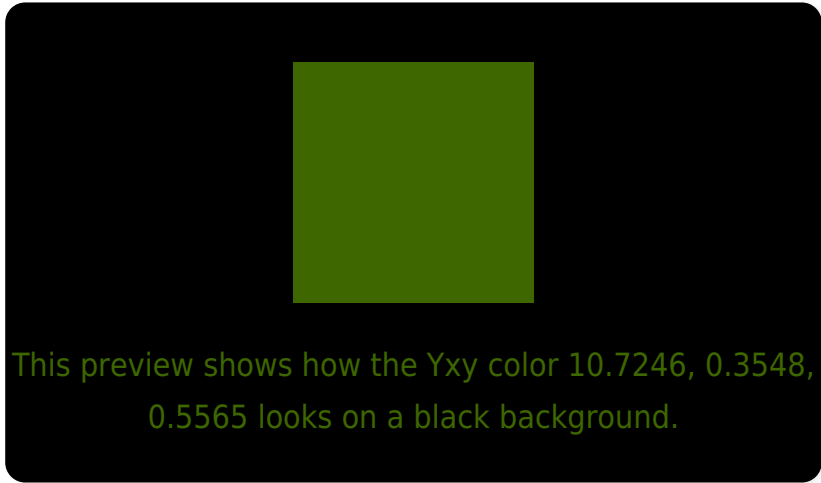
Large Text (above 18pt) WCAG AA ✓ Pass

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

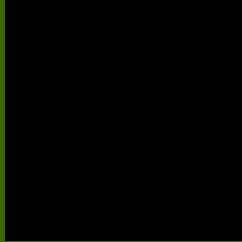
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7246, 0.3548, 0.5565

Background



This preview shows how black text looks on a background with the Yxy color 10.7246, 0.3548, 0.5565.



This preview shows how white text looks on a background with the Yxy color 10.7246, 0.3548, 0.5565.

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

10.7246, 0.3548, 0.5565

Protanopia

10.5973, 0.4399, 0.4889

Deuteranopia

10.5799, 0.4578, 0.4511



Tritanopia

10.8009, 0.2727, 0.3115

Trichromacy



Original Color

10.7246, 0.3548, 0.5565

Protanomaly

10.4896, 0.4074, 0.5147

Deuteranomaly

10.3446, 0.4182, 0.4910

Tritanomaly

10.6191, 0.3141, 0.4185

Monochromacy



Original Color

10.7246, 0.3548, 0.5565

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.6262, 0.3447, 0.4365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7246, 0.3548, 0.5565 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(62, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(62, 103, 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(62, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 103, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.7246, 0.3548, 0.5565 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(62, 103, 0) }
```

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

```
.border{ border-color:rgb(62, 103, 0) }
```

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

Here you see how a box with a 4 pixel rgb(62, 103, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(62, 103, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7246, 0.3548, 0.5565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 103, 0) }
```

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

```
.background{ background-color: rgb(62, 103,  
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