

Converting Colors

$Yxy(32.4329, 0.3704, 0.4587)$

Have a look what the booklet for
Yxy(32.4329, 0.3704, 0.4587)
contains.

Yxy(32.5938, 0.3706, 0.4589)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.5938, 0.3706, 0.4589)

Conversions

Conversions Part 1

Format	Color
Hex	93A24E
RGB	147, 162, 78
RGB Percent	58%, 64%, 31%
CMY	0.4237, 0.3646, 0.6941
CMYK	0.09, 0.00, 0.52, 0.36
HSL	71°, 35%, 47%
HSV	71°, 52%, 64%
XYZ	26.3222, 32.5938, 12.1099
YIQ	147.9390, 18.0240, -29.3040

Conversions

Conversions Part 2

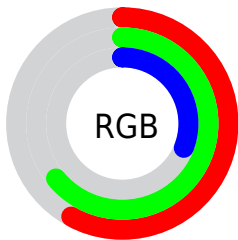
Format	Color
RYB	78, 162, 93
Decimal	9675342
CIELab	63.83, -18.19, 41.46
CIElCh	64, 45.272, 113.687
Yxy	32.5938, 0.3706, 0.4589
Android (android.graphics.Color)	4287865422 (0xFF93A24E)
YUV	147.9390, -34.4799, -0.8235
Hunter-Lab	57.0910, -17.6105, 27.3873

Details

The Yxy color **32.5938, 0.3706, 0.4589** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.3869, 0.2309, 0.1742**, and the grayscale version is **29.7261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7672, 0.3610, 0.4333**, and **13.6154, 0.3825, 0.5006** is the 20% darker color. If you saturate the color by 10%, you get **32.1259, 0.3786, 0.4808**, and if you desaturate by 10%, it is **33.1287, 0.3609, 0.4347**.

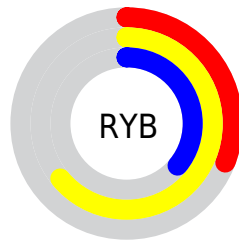
Distribution



Red (58%)

Green (64%)

Blue (31%)



Red (31%)

Yellow (64%)

Blue (36%)

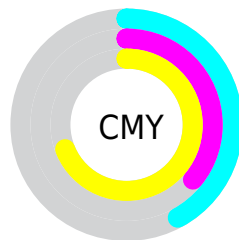


Cyan (9%)

Magenta (0%)

Yellow (52%)

Black (36%)



Cyan (42%)


Magenta (36%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5938, 0.3706, 0.4589 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 32.5938, 0.3706, 0.4589 by changing the saturation by 10% instead.


 32.5938, 0.3706,
0.4589


 32.5938, 0.3706,
0.4589


313.8154, 0.3429,
0.3891

 21.8155, 0.3763,
0.4773


 63.7408, 0.3613,
0.4327


 13.7214, 0.3823,
0.5010


 84.8783, 0.3575,
0.4230


 7.9271, 0.3878,
0.5320


 110.2376, 0.3542,
0.4150

 4.0484, 0.4045,
0.5955

 140.2031, 0.3514,
0.4082

 1.7006, 0.3756,
0.6244

 175.1593, 0.3489,
0.4024

 0.4241, 0.0000,
1.0000

215.4904, 0.3467,

 0.0000, 0.0000,

0.3974

0.0000

261.5810, 0.3447,
0.3930

■ 32.5938, 0.3706,
0.4589

■ 32.5938, 0.3706,
0.4589

■ 32.1259, 0.3786,
0.4808

■ 33.1287, 0.3609,
0.4347

■ 31.7161, 0.3845,
0.4994

■ 33.7301, 0.3500,
0.4092

■ 31.3612, 0.3879,
0.5139

■ 34.4029, 0.3384,
0.3833

■ 31.0551, 0.3888,
0.5240

■ 35.1505, 0.3266,
0.3578

■ 30.8311, 0.3883,
0.5299

■ 35.9760, 0.3149,
0.3334

■ 36.8822, 0.3035,
0.3104

■ 37.8719, 0.2928,
0.2890

■ 38.9477, 0.2827,
0.2693

■ 40.1121, 0.2733,
0.2514

Harmonies

Analogous

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



32.5938, 0.4269, 0.4302



32.5938, 0.3706, 0.4589



32.5938, 0.3021, 0.4449

Triad

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



32.5938, 0.3706, 0.4589



32.5938, 0.1887, 0.2532



32.5938, 0.3833, 0.2789

Complementary

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



32.5938, 0.3706, 0.4589



10.3869, 0.2309, 0.1742

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.



32.5938, 0.3104, 0.2414



32.5938, 0.3706, 0.4589



32.5938, 0.2043, 0.2245

Square

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



32.5938, 0.3706, 0.4589



32.5938, 0.2004, 0.3099



32.5938, 0.2461, 0.2218



32.5938, 0.4386, 0.3280

Rectangle

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



32.5938, 0.3706, 0.4589



32.5938, 0.2590, 0.4085



32.5938, 0.2461, 0.2218



32.5938, 0.3595, 0.2647

Sweetspot

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



32.5953, 0.3706, 0.4589



63.1798, 0.3318, 0.3691



15.8868, 0.4448, 0.3514



14.1307, 0.3341, 0.3740



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



32.5953, 0.3706, 0.4589



58.2059, 0.3795, 0.4835



29.4604, 0.3290, 0.4788



8.1728, 0.3235, 0.3514



24.3012, 0.3886, 0.5297



0.5264, 0.4005, 0.5202

Inverse Universe

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



10.3869, 0.2309, 0.1742



13.4756, 0.2097, 0.1382



13.1260, 0.2809, 0.1932



6.9182, 0.3013, 0.3060



2.2754, 0.1594, 0.0652



0.0638, 0.1892, 0.0816

Previews

White Background



This preview shows how the Yxy color 32.5938, 0.3706, 0.4589 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 32.5938, 0.3706, 0.4589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

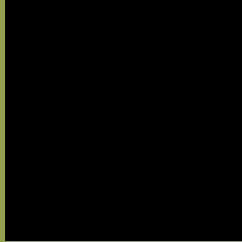
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5938, 0.3706, 0.4589

Background



This preview shows how black text looks on a background with the Yxy color 32.5938, 0.3706, 0.4589.



This preview shows how white text looks on a background with the Yxy color 32.5938, 0.3706, 0.4589.

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

32.5938, 0.3706, 0.4589

Protanopia

32.6224, 0.4029, 0.4408

Deuteranopia

32.2955, 0.4239, 0.4155



Tritanopia

32.6672, 0.3057, 0.3112

Trichromacy



Original Color

32.5938, 0.3706, 0.4589

Protanomaly

32.6709, 0.3901, 0.4478

Deuteranomaly

32.0492, 0.4044, 0.4296

Tritanomaly

32.2427, 0.3311, 0.3648

Monochromacy



Original Color

32.5938, 0.3706, 0.4589

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.5084, 0.3360, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5938, 0.3706, 0.4589 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(147, 162, 78)` looks like.

```
.text, #text, p{  
    color:rgb(147, 162, 78)  
}
```

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(147, 162, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 162, 78) }
```

Border

The CSS property to change the border of an element to Yxy 32.5938, 0.3706, 0.4589 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(147, 162, 78) }
```

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

```
.border{ border-color:rgb(147, 162, 78) }
```

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

Here you see how a box with a 4 pixel rgb(147, 162, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 162, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 162, 78);  
box-shadow:4px 4px 4px 4px rgb(147, 162,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5938, 0.3706, 0.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 162, 78) }
```

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

```
.background{ background-color: rgb(147,  
162, 78) }
```

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