

Converting Colors

$Yxy(33.8032, 0.3504, 0.5251)$

Have a look what the booklet for
Yxy(33.8032, 0.3504, 0.5251)
contains.

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Color

Yxy(33.7372, 0.3505, 0.5249)

Conversions

Conversions Part 1

Format	Color
Hex	73AD2F
RGB	115, 173, 47
RGB Percent	45%, 68%, 18%
CMY	0.5489, 0.3216, 0.8159
CMYK	0.34, 0.00, 0.73, 0.32
HSL	88°, 57%, 43%
HSV	88°, 73%, 68%
XYZ	22.5279, 33.7372, 8.0085
YIQ	141.2940, 5.8780, -51.4820

Conversions

Conversions Part 2

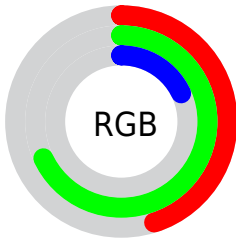
Format	Color
RYB	47, 173, 105
Decimal	7580975
CIELab	64.75, -38.64, 55.43
CIELCh	65, 67.574, 124.881
Yxy	33.7372, 0.3505, 0.5249
Android (android.graphics.Color)	4285771055 (0xFF73AD2F)
YUV	141.2940, -46.4869, -23.0598
Hunter-Lab	58.0837, -32.4150, 32.4838

Details

The Yxy color **33.7372, 0.3505, 0.5249** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.0459, 0.2291, 0.1282**, and the grayscale version is **26.9423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6361, 0.3486, 0.4851**, and **14.3936, 0.3391, 0.5689** is the 20% darker color. If you saturate the color by 10%, you get **33.1092, 0.3492, 0.5443**, and if you desaturate by 10%, it is **34.4700, 0.3495, 0.5011**.

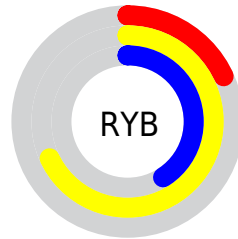
Distribution



Red (45%)

Green (68%)

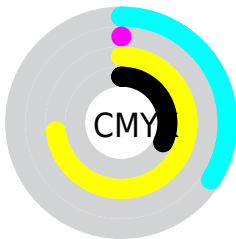
Blue (18%)



Red (18%)

Yellow (68%)

Blue (41%)

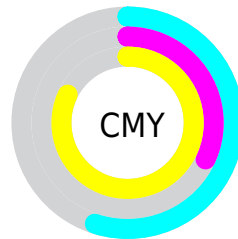


Cyan (34%)

Magenta (0%)

Yellow (73%)

Black (32%)



Cyan (55%)


Magenta (32%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7372, 0.3505, 0.5249 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 33.7372, 0.3505, 0.5249 by changing the saturation by 10% instead.


 33.7372, 0.3505,
0.5249


 33.7372, 0.3505,
0.5249


318.9586, 0.3382,
0.4183


 22.6918, 0.3498,
0.5525


 65.5248, 0.3485,
0.4849


 14.3661, 0.3458,
0.5874


 87.0357, 0.3469,
0.4701

 8.3757, 0.3383,
0.6378


 112.8040, 0.3452,
0.4578

 4.3363, 0.3108,
0.6892

 143.2140, 0.3437,
0.4474

 1.8634, 0.2463,
0.7537

 178.6500, 0.3421,
0.4385

 0.5262, 0.0000,
1.0000

 219.4965, 0.3407,

 0.0000, 0.0000,

0.4309

0.0000

266.1380, 0.3394,
0.4242

■ 33.7372, 0.3505,
0.5249

■ 33.7372, 0.3505,
0.5249

■ 33.1092, 0.3492,
0.5443

■ 34.4700, 0.3495,
0.5011

■ 32.5735, 0.3458,
0.5585

■ 35.3102, 0.3465,
0.4742

■ 32.2368, 0.3425,
0.5662

■ 36.2655, 0.3418,
0.4456

■ 37.3416, 0.3359,
0.4166

■ 38.5435, 0.3292,
0.3881

■ 39.8761, 0.3220,
0.3611

■ 41.3441, 0.3148,
0.3358

■ 42.9516, 0.3076,
0.3127

■ 44.7028, 0.3007,
0.2917

Harmonies

Analogous

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



33.7372, 0.4402, 0.4868



33.7372, 0.3505, 0.5249



33.7372, 0.2562, 0.4814

Triad

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



33.7372, 0.3505, 0.5249



33.7372, 0.1474, 0.2007



33.7372, 0.4519, 0.2797

Complementary

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



33.7372, 0.3505, 0.5249



8.0459, 0.2291, 0.1282

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.



33.7372, 0.3468, 0.2245



33.7372, 0.3505, 0.5249



33.7372, 0.1798, 0.1801

Square

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



33.7372, 0.3505, 0.5249



33.7372, 0.1473, 0.2607



33.7372, 0.2469, 0.1894



33.7372, 0.5121, 0.3459

Rectangle

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



33.7372, 0.3505, 0.5249



33.7372, 0.2034, 0.4078



33.7372, 0.2469, 0.1894



33.7372, 0.4194, 0.2596

Sweetspot

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



33.7387, 0.3505, 0.5249



69.1364, 0.3289, 0.3868



18.9246, 0.4850, 0.4050



14.8978, 0.3307, 0.3941



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.7387, 0.3505, 0.5249



58.7334, 0.3475, 0.5530



30.8564, 0.3050, 0.5556



9.1443, 0.3195, 0.3519



23.7166, 0.3433, 0.5656



0.6918, 0.3661, 0.5475

Inverse Universe

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



8.0459, 0.2291, 0.1282



10.2111, 0.2085, 0.0987



13.2292, 0.3114, 0.1686



7.9309, 0.3055, 0.3061



3.4894, 0.1964, 0.0855



0.1298, 0.2320, 0.1052

Previews

White Background



This preview shows how the Yxy color 33.7372, 0.3505, 0.5249 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 33.7372, 0.3505, 0.5249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

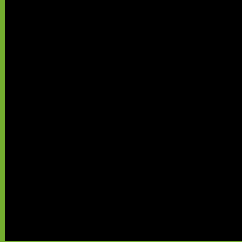
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7372, 0.3505, 0.5249

Background



This preview shows how black text looks on a background with the Yxy color 33.7372, 0.3505, 0.5249.



This preview shows how white text looks on a background with the Yxy color 33.7372, 0.3505, 0.5249.

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

33.7372, 0.3505, 0.5249

Protanopia

33.5185, 0.4277, 0.4716

Deuteranopia

33.3825, 0.4484, 0.4407



Tritanopia

33.4513, 0.2761, 0.3089

Trichromacy



Original Color

33.7372, 0.3505, 0.5249

Protanomaly

33.2463, 0.3981, 0.4925

Deuteranomaly

32.8178, 0.4108, 0.4715

Tritanomaly

32.9044, 0.3080, 0.3905

Monochromacy



Original Color

33.7372, 0.3505, 0.5249

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.7495, 0.3341, 0.4076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7372, 0.3505, 0.5249 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(115, 173, 47)` looks like.

```
.text, #text, p{  
    color:rgb(115, 173, 47)  
}
```

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(115, 173, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 173, 47) }
```

Border

The CSS property to change the border of an element to Yxy 33.7372, 0.3505, 0.5249 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(115, 173, 47) }
```

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

```
.border{ border-color:rgb(115, 173, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 173, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 173, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 173, 47);  
box-shadow:4px 4px 4px 4px rgb(115, 173,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7372, 0.3505, 0.5249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 173, 47) }
```

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

```
.background{ background-color: rgb(115,  
173, 47) }
```

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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