

Converting Colors

$Yxy(44.6907, 0.3411, 0.5437)$

Have a look what the booklet for
Yxy(44.6907, 0.3411, 0.5437)
contains.

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Color

Yxy(44.7343, 0.3412, 0.5440)

Conversions

Conversions Part 1

Format	Color
Hex	74C72B
RGB	116, 199, 43
RGB Percent	45%, 78%, 17%
CMY	0.5453, 0.2196, 0.8314
CMYK	0.42, 0.00, 0.78, 0.22
HSL	92°, 64%, 47%
HSV	92°, 78%, 78%
XYZ	28.0576, 44.7343, 9.4403
YIQ	156.3990, 0.6080, -66.1120

Conversions

Conversions Part 2

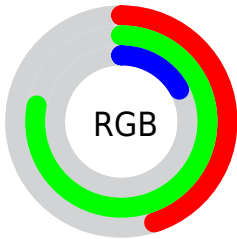
Format	Color
R _Y B	43, 199, 126
Decimal	7653163
CIE Lab	72.72, -49.48, 64.44
CIE LCh	73, 81.245, 127.518
Yxy	44.7343, 0.3412, 0.5440
Android (android.graphics.Color)	4285843243 (0xFF74C72B)
YUV	156.3990, -55.9057, -35.4299
Hunter-Lab	66.8837, -42.1660, 38.4501

Details

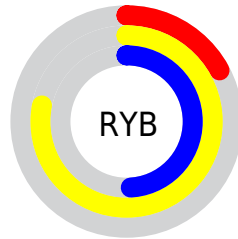
The Yxy color **44.7343, 0.3412, 0.5440** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **10.2908, 0.2326, 0.1210**, and the grayscale version is **33.6847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4583, 0.3427, 0.5024**, and **20.7873, 0.3242, 0.5808** is the 20% darker color. If you saturate the color by 10%, you get **43.9393, 0.3378, 0.5612**, and if you desaturate by 10%, it is **45.6872, 0.3425, 0.5214**.

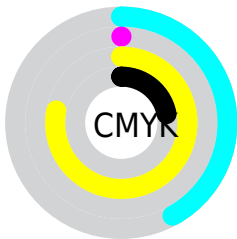
Distribution



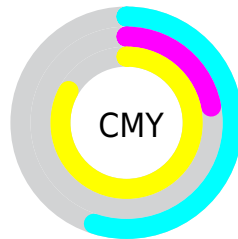
- Red (45%)
- Green (78%)
- Blue (17%)



- Red (17%)
- Yellow (78%)
- Blue (49%)



- Cyan (42%)
- Magenta (0%)
- Yellow (78%)
- Black (22%)




- Cyan (55%)
- Magenta (22%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7343, 0.3412, 0.5440 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 44.7343, 0.3412, 0.5440 by changing the saturation by 10% instead.


 44.7343, 0.3412,
0.5440


 44.7343, 0.3412,
0.5440


365.6964, 0.3361,
0.4315

 31.2482, 0.3385,
0.5714


 82.3216, 0.3421,
0.5031


 20.7879, 0.3324,
0.6051


 107.1915, 0.3416,
0.4876


 12.9691, 0.3204,
0.6474


 136.6248, 0.3408,
0.4745

 7.4072, 0.2980,
0.7020

 171.0060, 0.3399,
0.4634

 3.7181, 0.2487,
0.7513

 210.7193, 0.3389,
0.4537

 1.5171, 0.0791,
0.9209

 256.1492, 0.3379,

 0.3007, 0.0000,

0.4454

1.0000

307.6801, 0.3370,
0.4380

■ 0.0000, 0.0000,
0.0000

■ 44.7343, 0.3412,
0.5440

■ 44.7343, 0.3412,
0.5440

■ 43.9393, 0.3378,
0.5612

■ 45.6872, 0.3425,
0.5214

■ 43.2793, 0.3328,
0.5729

■ 46.8039, 0.3417,
0.4948

■ 43.1825, 0.3320,
0.5746

■ 48.0967, 0.3390,
0.4655

■ 49.5749, 0.3349,
0.4353

■ 51.2469, 0.3298,
0.4054

■ 53.1208, 0.3240,
0.3767

■ 55.2039, 0.3179,
0.3498

■ 57.5032, 0.3117,
0.3252

■ 60.0253, 0.3057,
0.3029

Harmonies

Analogous

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



44.7343, 0.4391, 0.5028



44.7343, 0.3412, 0.5440



44.7343, 0.2413, 0.4891

Triad

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



44.7343, 0.3412, 0.5440



44.7343, 0.1379, 0.1871



44.7343, 0.4732, 0.2806

Complementary

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



44.7343, 0.3412, 0.5440



10.2908, 0.2326, 0.1210

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.



44.7343, 0.3597, 0.2211



44.7343, 0.3412, 0.5440



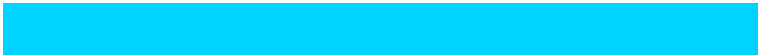
44.7343, 0.1747, 0.1693

Square

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



44.7343, 0.3412, 0.5440



44.7343, 0.1342, 0.2457



44.7343, 0.2492, 0.1820



44.7343, 0.5314, 0.3504

Rectangle

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



44.7343, 0.3412, 0.5440



44.7343, 0.1873, 0.4032



44.7343, 0.2492, 0.1820



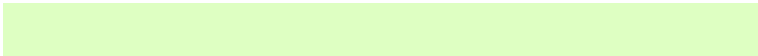
44.7343, 0.4388, 0.2591

Sweetspot

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



44.7362, 0.3412, 0.5440



91.0022, 0.3275, 0.3936



26.6341, 0.4900, 0.4190



19.2320, 0.3296, 0.4041



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



44.7362, 0.3412, 0.5440



76.0980, 0.3344, 0.5698



41.5593, 0.3006, 0.5703



12.1269, 0.3185, 0.3524



27.8152, 0.3330, 0.5738



1.3601, 0.3495, 0.5607

Inverse Universe

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



10.2908, 0.2326, 0.1210



13.4011, 0.2131, 0.0967



17.8753, 0.3236, 0.1680



10.5607, 0.3065, 0.3057



4.6719, 0.2097, 0.0929



0.2640, 0.2319, 0.1051

Previews

White Background



This preview shows how the Yxy color 44.7343, 0.3412, 0.5440 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 44.7343, 0.3412, 0.5440 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 44.7343, 0.3412, 0.5440

Background



This preview shows how black text looks on a background with the Yxy color 44.7343, 0.3412, 0.5440.



This preview shows how white text looks on a background with the Yxy color 44.7343, 0.3412, 0.5440.

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

44.7343, 0.3412, 0.5440

Protanopia

44.2601, 0.4329, 0.4779

Deuteranopia

43.8303, 0.4547, 0.4442



Tritanopia

44.2713, 0.2662, 0.3081

Trichromacy



Original Color

44.7343, 0.3412, 0.5440

Protanomaly

43.7060, 0.3959, 0.5044

Deuteranomaly

42.5554, 0.4104, 0.4815

Tritanomaly

43.5559, 0.2994, 0.4003

Monochromacy



Original Color

44.7343, 0.3412, 0.5440

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

36.4056, 0.3315, 0.4186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7343, 0.3412, 0.5440 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(116, 199, 43)` looks like.

```
.text, #text, p{  
    color:rgb(116, 199, 43)  
}
```

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(116, 199, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 199, 43) }
```

Border

The CSS property to change the border of an element to Yxy 44.7343, 0.3412, 0.5440 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(116, 199, 43) }
```

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

```
.border{ border-color:rgb(116, 199, 43) }
```

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

Here you see how a box with a 4 pixel rgb(116, 199, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 199, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 199, 43);  
box-shadow:4px 4px 4px 4px rgb(116, 199,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7343, 0.3412, 0.5440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 199, 43) }
```

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

```
.background{ background-color: rgb(116,  
199, 43) }
```

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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