

Converting Colors

$Y_{xy}(12.3722, 0.3392, 0.5252)$

Have a look what the booklet for
Yxy(12.3722, 0.3392, 0.5252)
contains.

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Color

Yxy(12.3694, 0.3392, 0.5251)

Conversions

Conversions Part 1

Format	Color
Hex	416E1E
RGB	65, 110, 30
RGB Percent	25%, 43%, 12%
CMY	0.7451, 0.5686, 0.8822
CMYK	0.41, 0.00, 0.73, 0.57
HSL	94°, 57%, 27%
HSV	94°, 73%, 43%
XYZ	7.9903, 12.3694, 3.1966
YIQ	87.4250, -1.1400, -34.4200

Conversions

Conversions Part 2

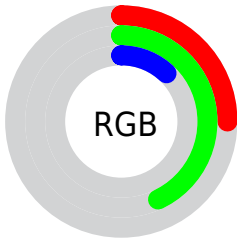
Format	Color
R _Y B	30, 110, 75
Decimal	4288030
CIE Lab	41.80, -30.09, 37.95
CIE LCh	42, 48.435, 128.411
Yxy	12.3694, 0.3392, 0.5251
Android (android.graphics.Color)	4282478110 (0xFF416E1E)
YUV	87.4250, -28.3105, -19.6667
Hunter-Lab	35.1702, -20.9945, 19.2303

Details

The Yxy color **12.3694, 0.3392, 0.5251** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.5534, 0.2489, 0.1430**, and the grayscale version is **9.6908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1871, 0.3389, 0.4721**, and **3.5386, 0.3160, 0.5873** is the 20% darker color. If you saturate the color by 10%, you get **12.1233, 0.3376, 0.5468**, and if you desaturate by 10%, it is **12.6593, 0.3390, 0.4996**.

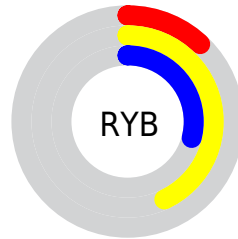
Distribution



Red (25%)

Green (43%)

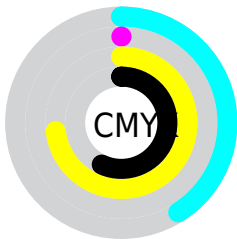
Blue (12%)



Red (12%)

Yellow (43%)

Blue (29%)

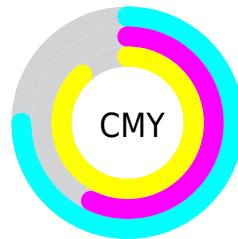


Cyan (41%)

Magenta (0%)

Yellow (73%)

Black (57%)



Cyan (75%)


Magenta (57%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3694, 0.3392, 0.5251 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 12.3694, 0.3392, 0.5251 by changing the saturation by 10% instead.


 12.3694, 0.3392,
0.5251


 12.3694, 0.3392,
0.5251


206.8357, 0.3297,
0.4011


 6.9958, 0.3357,
0.5673


 30.1661, 0.3384,
0.4721


 3.4595, 0.3400,
0.6600

 43.3580, 0.3371,
0.4547


 1.3760, 0.2691,
0.7309


 59.9248, 0.3356,
0.4410

 0.1990, 0.0000,
1.0000

 80.2509, 0.3342,
0.4299


 0.0000, 0.0000,
0.0000


 104.7206, 0.3329,
0.4208


 133.7184, 0.3318,

0.4131


 167.6286, 0.3307,
0.4066


 12.3694, 0.3392,
0.5251


 12.3694, 0.3392,
0.5251


 12.1233, 0.3376,
0.5468


 12.6593, 0.3390,
0.4996


 11.9164, 0.3343,
0.5636

 12.9941, 0.3371,
0.4716

 11.7831, 0.3317,
0.5748

 13.3766, 0.3339,
0.4426

 13.8088, 0.3297,
0.4136

 14.2928, 0.3248,
0.3857

■ 14.8305, 0.3196,
0.3595

■ 15.4236, 0.3142,
0.3352

■ 16.0737, 0.3088,
0.3130

■ 16.7825, 0.3036,
0.2930

Harmonies

Analogous

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



12.3694, 0.4307, 0.4941



12.3694, 0.3392, 0.5251



12.3694, 0.2459, 0.4705

Triad

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



12.3694, 0.3392, 0.5251



12.3694, 0.1494, 0.1963



12.3694, 0.4625, 0.2870

Complementary

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



12.3694, 0.3392, 0.5251



3.5534, 0.2489, 0.1430

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.



12.3694, 0.3598, 0.2300



12.3694, 0.3392, 0.5251



12.3694, 0.1856, 0.1795

Square

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



12.3694, 0.3392, 0.5251



12.3694, 0.1454, 0.2511



12.3694, 0.2571, 0.1921



12.3694, 0.5149, 0.3540

Rectangle

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



12.3694, 0.3392, 0.5251



12.3694, 0.1955, 0.3933



12.3694, 0.2571, 0.1921



12.3694, 0.4315, 0.2665

Sweetspot

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



12.3699, 0.3392, 0.5251



25.1101, 0.3248, 0.3854



8.3086, 0.4609, 0.4201



5.8036, 0.3257, 0.3907



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.



12.3699, 0.3392, 0.5251



21.0423, 0.3356, 0.5585



11.5445, 0.2998, 0.5407



3.8279, 0.3176, 0.3503



14.1376, 0.3311, 0.5753



69.9329, 0.3273, 0.5784

Inverse Universe

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



3.5534, 0.2489, 0.1430



4.5266, 0.2306, 0.1130



5.2860, 0.3282, 0.1827



3.3844, 0.3075, 0.3078



2.5617, 0.2186, 0.0978



12.2438, 0.2134, 0.0949

Previews

White Background



This preview shows how the Yxy color 12.3694, 0.3392, 0.5251 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



This preview shows how the Yxy color 12.3694, 0.3392, 0.5251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

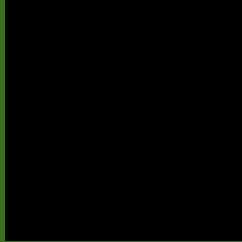
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3694, 0.3392, 0.5251

Background



This preview shows how black text looks on a background with the Yxy color 12.3694, 0.3392, 0.5251.



This preview shows how white text looks on a background with the Yxy color 12.3694, 0.3392, 0.5251.

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

12.3694, 0.3392, 0.5251

Protanopia

12.1295, 0.4242, 0.4679

Deuteranopia

12.1670, 0.4440, 0.4356



Tritanopia

12.4260, 0.2690, 0.3101

Trichromacy



Original Color

12.3694, 0.3392, 0.5251

Protanomaly

11.9663, 0.3917, 0.4895

Deuteranomaly

11.8640, 0.4034, 0.4679

Tritanomaly

12.3337, 0.2980, 0.3900

Monochromacy



Original Color

12.3694, 0.3392, 0.5251

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.2400, 0.3289, 0.4058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3694, 0.3392, 0.5251 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(65, 110, 30)` looks like.

```
.text, #text, p{  
    color:rgb(65, 110, 30)  
}
```

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(65, 110, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 110, 30) }
```

Border

The CSS property to change the border of an element to Yxy 12.3694, 0.3392, 0.5251 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(65, 110, 30) }
```

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

```
.border{ border-color:rgb(65, 110, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 110, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 110, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 110, 30);  
box-shadow:4px 4px 4px 4px rgb(65, 110,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3694, 0.3392, 0.5251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 110, 30) }
```

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

```
.background{ background-color: rgb(65, 110,  
30) }
```

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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