

Converting Colors

$Y_{xy}(30.3237, 0.3421, 0.6022)$

Have a look what the booklet for
Yxy(30.3237, 0.3421, 0.6022)
contains.

Yxy(30.4117, 0.3324, 0.5743)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.4117, 0.3324, 0.5743)

Conversions

Conversions Part 1

Format	Color
Hex	4FAA00
RGB	79, 170, 0
RGB Percent	31%, 67%, 0%
CMY	0.6900, 0.3333, 1.0000
CMYK	0.53, 0.00, 1.00, 0.33
HSL	92°, 100%, 33%
HSV	92°, 100%, 67%
XYZ	17.6020, 30.4117, 4.9406
YIQ	123.4110, 0.3340, -72.1620

Conversions

Conversions Part 2

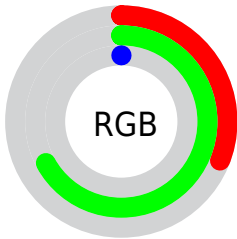
Format	Color
RYB	0, 170, 91
Decimal	5220864
CIELab	62.01, -51.24, 63.16
CIELCh	62, 81.332, 129.051
Yxy	30.4117, 0.3324, 0.5743
Android (android.graphics.Color)	4283410944 (0xFF4FAA00)
YUV	123.4110, -60.8416, -38.9484
Hunter-Lab	55.1468, -39.5324, 33.2909

Details

The Yxy color **30.4117, 0.3324, 0.5743** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.1237, 0.2099, 0.0930**, and the grayscale version is **20.1605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2904, 0.3376, 0.5230**, and **12.7226, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **30.4131, 0.3324, 0.5743**, and if you desaturate by 10%, it is **30.8709, 0.3372, 0.5623**.

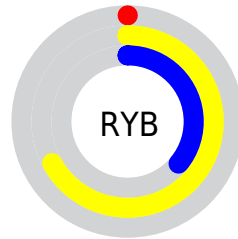
Distribution



Red (31%)

Green (67%)

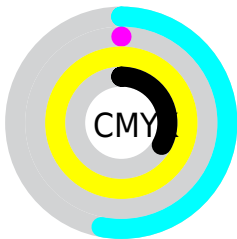
Blue (0%)



Red (0%)

Yellow (67%)

Blue (36%)

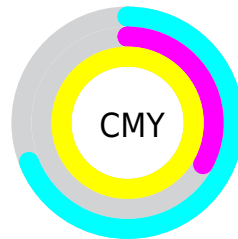


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (69%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4117, 0.3324, 0.5743 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 30.4117, 0.3324, 0.5743 by changing the saturation by 10% instead.


 30.4117, 0.3324,
0.5743


 30.4117, 0.3324,
0.5743


303.8188, 0.3340,
0.4380


 20.1513, 0.3255,
0.6094


 60.3127, 0.3372,
0.5229


 12.5051, 0.3123,
0.6538


 80.7220, 0.3376,
0.5040

 7.0886, 0.2882,
0.7118


 105.2831, 0.3375,
0.4882

 3.5176, 0.2358,
0.7642

 134.3803, 0.3370,
0.4749

 1.4076, 0.0089,
0.9911

 168.3981, 0.3363,
0.4636


 0.2223, 0.0000,
1.0000


 207.7209, 0.3356,

 0.0000, 0.0000,


0.4539


0.0000


 252.7330, 0.3348,
0.4454


 30.4117, 0.3324,
0.5743

 30.4117, 0.3324,
0.5743


 30.4131, 0.3324,
0.5743

 30.8709, 0.3372,
0.5623

 31.4187, 0.3407,
0.5456

 32.0724, 0.3422,
0.5237

 32.8400, 0.3416,
0.4975

 33.7288, 0.3392,
0.4688

■ 34.7450, 0.3353,
0.4389

■ 35.8947, 0.3304,
0.4091

■ 37.1831, 0.3247,
0.3805

■ 38.6155, 0.3188,
0.3537

Harmonies

Analogous

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



30.4117, 0.4413, 0.5216



30.4117, 0.3324, 0.5743



30.4117, 0.2244, 0.5089

Triad

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



30.4117, 0.3324, 0.5743



30.4117, 0.1229, 0.1696



30.4117, 0.5001, 0.2767

Complementary

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



30.4117, 0.3324, 0.5743



5.1237, 0.2099, 0.0930

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.



30.4117, 0.3718, 0.2123



30.4117, 0.3324, 0.5743



30.4117, 0.1636, 0.1539

Square

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



30.4117, 0.3324, 0.5743



30.4117, 0.1163, 0.2285



30.4117, 0.2461, 0.1692



30.4117, 0.5587, 0.3507

Rectangle

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



30.4117, 0.3324, 0.5743



30.4117, 0.1676, 0.4048



30.4117, 0.2461, 0.1692



30.4117, 0.4618, 0.2537

Sweetspot

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



30.4131, 0.3324, 0.5743



65.0090, 0.3306, 0.4107



15.9709, 0.5301, 0.4173



14.3013, 0.3328, 0.4229



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.



30.4131, 0.3324, 0.5743



55.0560, 0.3312, 0.5753



28.7611, 0.2994, 0.5977



8.5723, 0.3183, 0.3519



22.4054, 0.3332, 0.5737



0.5758, 0.3605, 0.5520

Inverse Universe

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



5.1237, 0.2099, 0.0930



9.1658, 0.2082, 0.0921



11.2381, 0.3294, 0.1588



7.4907, 0.3066, 0.3062



3.8026, 0.2110, 0.0936



0.1225, 0.2471, 0.1135

Previews

White Background



This preview shows how the Yxy color 30.4117, 0.3324, 0.5743 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 30.4117, 0.3324, 0.5743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

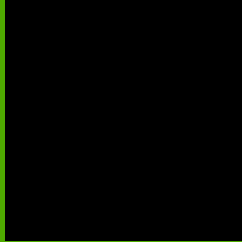
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4117, 0.3324, 0.5743

Background



This preview shows how black text looks on a background with the Yxy color 30.4117, 0.3324, 0.5743.



This preview shows how white text looks on a background with the Yxy color 30.4117, 0.3324, 0.5743.

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

30.4117, 0.3324, 0.5743

Protanopia

29.8197, 0.4405, 0.4884

Deuteranopia

29.7359, 0.4609, 0.4520



Tritanopia

30.2776, 0.2556, 0.3074

Trichromacy



Original Color

30.4117, 0.3324, 0.5743

Protanomaly

29.3482, 0.3962, 0.5236

Deuteranomaly

28.8103, 0.4104, 0.5013

Tritanomaly

29.3245, 0.2955, 0.4270

Monochromacy



Original Color

30.4117, 0.3324, 0.5743

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

22.4320, 0.3370, 0.4495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4117, 0.3324, 0.5743 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(79, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(79, 170, 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(79, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 170, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.4117, 0.3324, 0.5743 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(79, 170, 0) }
```

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

```
.border{ border-color:rgb(79, 170, 0) }
```

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

Here you see how a box with a 4 pixel rgb(79, 170, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(79, 170, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.4117, 0.3324, 0.5743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 170, 0) }
```

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

```
.background{ background-color: rgb(79, 170,  
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](#).

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