

Converting Colors

$Y_{xy}(26.9748, 0.3317, 0.5515)$

Have a look what the booklet for
Yxy(26.9748, 0.3317, 0.5515)
contains.

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Color

Yxy(26.9952, 0.3315, 0.5516)

Conversions

Conversions Part 1

Format	Color
Hex	51A020
RGB	81, 160, 32
RGB Percent	32%, 63%, 13%
CMY	0.6824, 0.3725, 0.8745
CMYK	0.49, 0.00, 0.80, 0.37
HSL	97°, 67%, 38%
HSV	97°, 80%, 63%
XYZ	16.2235, 26.9952, 5.7211
YIQ	121.7870, -5.9960, -56.5560

Conversions

Conversions Part 2

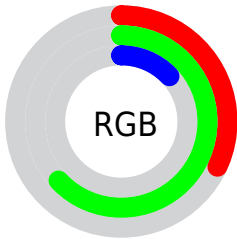
Format	Color
RYB	32, 160, 111
Decimal	5349408
CIELab	58.97, -45.79, 54.35
CIELCh	59, 71.067, 130.114
Yxy	26.9952, 0.3315, 0.5516
Android (android.graphics.Color)	4283539488 (0xFF51A020)
YUV	121.7870, -44.2650, -35.7702
Hunter-Lab	51.9569, -35.1879, 29.8413

Details

The Yxy color **26.9952, 0.3315, 0.5516** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.9514, 0.2473, 0.1281**, and the grayscale version is **19.5364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6238, 0.3342, 0.5018**, and **10.8107, 0.3049, 0.5961** is the 20% darker color. If you saturate the color by 10%, you get **26.5245, 0.3277, 0.5692**, and if you desaturate by 10%, it is **27.5739, 0.3336, 0.5284**.

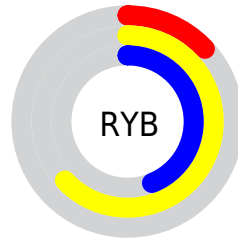
Distribution



Red (32%)

Green (63%)

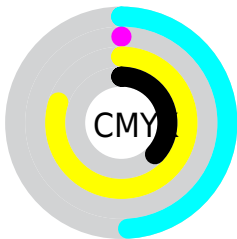
Blue (13%)



Red (13%)

Yellow (63%)

Blue (44%)

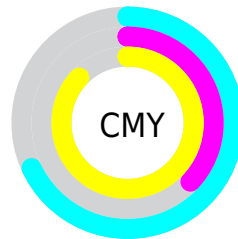


Cyan (49%)

Magenta (0%)

Yellow (80%)

Black (37%)



Cyan (68%)


Magenta (37%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9952, 0.3315, 0.5516 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 26.9952, 0.3315, 0.5516 by changing the saturation by 10% instead.

 26.9952, 0.3315,
0.5516


 26.9952, 0.3315,
0.5516


287.6339, 0.3306,
0.4247


 17.5696, 0.3263,
0.5866


 54.8762, 0.3345,
0.5024


 10.6414, 0.3152,
0.6315


 74.1003, 0.3345,
0.4847

 5.8263, 0.2975,
0.7025

 97.3595, 0.3341,
0.4702

 2.7397, 0.2429,
0.7571

 125.0380, 0.3335,
0.4580

 0.9974, 0.0000,
1.0000

 157.5203, 0.3328,
0.4477

 0.0000, 0.0000,
0.0000

 195.1908, 0.3320,

0.4389

238.4339, 0.3313,
0.4313

■ 26.9952, 0.3315,
0.5516

■ 26.9952, 0.3315,
0.5516

■ 26.5245, 0.3277,
0.5692

■ 27.5739, 0.3336,
0.5284

■ 26.1431, 0.3229,
0.5818

■ 28.2652, 0.3339,
0.5010

■ 29.0772, 0.3326,
0.4711

■ 30.0163, 0.3299,
0.4402

■ 31.0883, 0.3263,
0.4098

■ 32.2988, 0.3221,
0.3807

■ 33.6528, 0.3175,
0.3537

■ 35.1551, 0.3127,
0.3290

■ 36.8105, 0.3080,
0.3068

Harmonies

Analogous

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



26.9952, 0.4332, 0.5129



26.9952, 0.3315, 0.5516



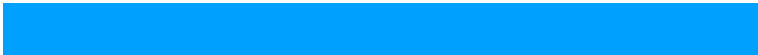
26.9952, 0.2303, 0.4856

Triad

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



26.9952, 0.3315, 0.5516



26.9952, 0.1355, 0.1800



26.9952, 0.4869, 0.2846

Complementary

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



26.9952, 0.3315, 0.5516



6.9514, 0.2473, 0.1281

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.



26.9952, 0.3719, 0.2226



26.9952, 0.3315, 0.5516



26.9952, 0.1760, 0.1653

Square

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



26.9952, 0.3315, 0.5516



26.9952, 0.1287, 0.2352



26.9952, 0.2555, 0.1807



26.9952, 0.5395, 0.3561

Rectangle

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



26.9952, 0.3315, 0.5516



26.9952, 0.1774, 0.3931



26.9952, 0.2555, 0.1807



26.9952, 0.4528, 0.2624

Sweetspot

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



26.9964, 0.3315, 0.5516



57.6296, 0.3240, 0.3934



18.9329, 0.4718, 0.4371



12.4798, 0.3254, 0.4032



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



26.9964, 0.3315, 0.5516



47.6083, 0.3237, 0.5787



25.6552, 0.2958, 0.5547



7.5186, 0.3171, 0.3517



20.3872, 0.3236, 0.5813



0.3880, 0.3558, 0.5557

Inverse Universe

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



6.9514, 0.2473, 0.1281



9.7181, 0.2300, 0.1056



10.5533, 0.3443, 0.1805



6.6277, 0.3079, 0.3065



4.0592, 0.2288, 0.1034



0.0963, 0.2670, 0.1244

Previews

White Background



This preview shows how the Yxy color 26.9952, 0.3315, 0.5516 looks on a white 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

Black Background



This preview shows how the Yxy color 26.9952, 0.3315, 0.5516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

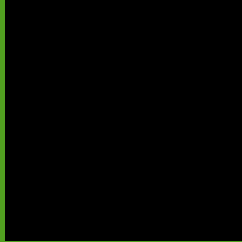
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9952, 0.3315, 0.5516

Background



This preview shows how black text looks on a background with the Yxy color 26.9952, 0.3315, 0.5516.



This preview shows how white text looks on a background with the Yxy color 26.9952, 0.3315, 0.5516.

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

26.9952, 0.3315, 0.5516

Protanopia

26.4998, 0.4335, 0.4783

Deuteranopia

26.5868, 0.4529, 0.4438



Tritanopia

26.8929, 0.2597, 0.3082

Trichromacy



Original Color

26.9952, 0.3315, 0.5516

Protanomaly

26.0938, 0.3924, 0.5076

Deuteranomaly

25.5489, 0.4052, 0.4846

Tritanomaly

26.3771, 0.2911, 0.4031

Monochromacy



Original Color

26.9952, 0.3315, 0.5516

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

21.4554, 0.3279, 0.4220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9952, 0.3315, 0.5516 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(81, 160, 32)` looks like.

```
.text, #text, p{  
    color:rgb(81, 160, 32)  
}
```

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(81, 160, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 160, 32) }
```

Border

The CSS property to change the border of an element to Yxy 26.9952, 0.3315, 0.5516 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(81, 160, 32) }
```

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

```
.border{ border-color:rgb(81, 160, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 160, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 160, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 160, 32);  
box-shadow:4px 4px 4px 4px rgb(81, 160,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9952, 0.3315, 0.5516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 160, 32) }
```

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

```
.background{ background-color: rgb(81, 160,  
32) }
```

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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