

Converting Colors

$Y_{xy}(27.3711, 0.3136, 0.5302)$

Have a look what the booklet for
Yxy(27.3711, 0.3136, 0.5302)
contains.

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Color

Yxy(27.4561, 0.3134, 0.5308)

Conversions

Conversions Part 1

Format	Color
Hex	47A237
RGB	71, 162, 55
RGB Percent	28%, 64%, 22%
CMY	0.7214, 0.3647, 0.7843
CMYK	0.56, 0.00, 0.66, 0.36
HSL	111°, 49%, 43%
HSV	111°, 66%, 64%
XYZ	16.2109, 27.4561, 8.0589
YIQ	122.5930, -19.8890, -52.5690

Conversions

Conversions Part 2

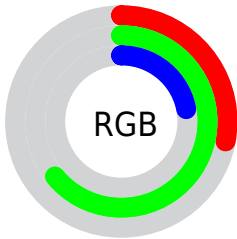
Format	Color
RYB	55, 162, 146
Decimal	4694583
CIELab	59.39, -47.69, 46.02
CIELCh	59, 66.272, 136.022
Yxy	27.4561, 0.3134, 0.5308
Android (android.graphics.Color)	4282884663 (0xFF47A237)
YUV	122.5930, -33.3233, -45.2471
Hunter-Lab	52.3986, -36.4738, 27.5602

Details

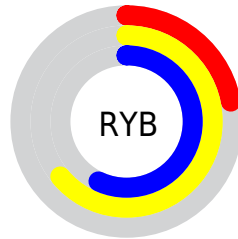
The Yxy color **27.4561, 0.3134, 0.5308** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.4471, 0.2966, 0.1721**, and the grayscale version is **19.7871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7935, 0.3180, 0.4844**, and **10.9373, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.8632, 0.3113, 0.5579**, and if you desaturate by 10%, it is **28.2203, 0.3148, 0.4993**.

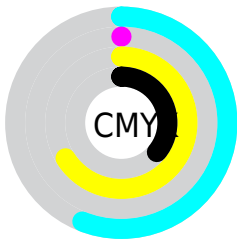
Distribution



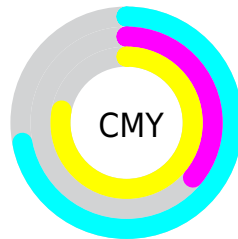
- Red (28%)
- Green (64%)
- Blue (22%)



- Red (22%)
- Yellow (64%)
- Blue (57%)



- Cyan (56%)
- Magenta (0%)
- Yellow (66%)
- Black (36%)





- Cyan (72%)
- Magenta (36%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4561, 0.3134, 0.5308 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 27.4561, 0.3134, 0.5308 by changing the saturation by 10% instead.


 27.4561, 0.3134,
0.5308


 27.4561, 0.3134,
0.5308


289.8587, 0.3198,
0.4142

 17.9161, 0.3078,
0.5647


 55.6149, 0.3182,
0.4846


 10.8897, 0.2973,
0.6103


 75.0025, 0.3192,
0.4684


 5.9927, 0.2805,
0.6824


 98.4413, 0.3197,
0.4552

 2.8407, 0.2359,
0.7641

 126.3158, 0.3200,
0.4442

 1.0491, 0.0000,
1.0000

 159.0104, 0.3201,
0.4349

 0.0000, 0.0000,
0.0000

 196.9095, 0.3200,

0.4270

240.3975, 0.3200,
0.4201

■ 27.4561, 0.3134,
0.5308

■ 27.4561, 0.3134,
0.5308

■ 26.8632, 0.3113,
0.5579

■ 28.2203, 0.3148,
0.4993

■ 26.4250, 0.3085,
0.5787

■ 29.1642, 0.3156,
0.4658

■ 26.1262, 0.3056,
0.5921

■ 30.2996, 0.3156,
0.4322

■ 26.0379, 0.3047,
0.5963

■ 31.6365, 0.3152,
0.4002

■ 33.1841, 0.3145,
0.3705

■ 34.9509, 0.3134,
0.3438

■ 36.9452, 0.3122,
0.3200

■ 39.1746, 0.3110,
0.2990

■ 41.6466, 0.3097,
0.2808

Harmonies

Analogous

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



27.4561, 0.4111, 0.5146



27.4561, 0.3134, 0.5308



27.4561, 0.2205, 0.4495

Triad

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



27.4561, 0.3134, 0.5308



27.4561, 0.1498, 0.1834



27.4561, 0.4902, 0.3015

Complementary

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



27.4561, 0.3134, 0.5308



11.4471, 0.2966, 0.1721

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.



27.4561, 0.3912, 0.2394



27.4561, 0.3134, 0.5308



27.4561, 0.1958, 0.1748

Square

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



27.4561, 0.3134, 0.5308



27.4561, 0.1372, 0.2282



27.4561, 0.2791, 0.1947



27.4561, 0.5256, 0.3717

Rectangle

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



27.4561, 0.3134, 0.5308



27.4561, 0.1748, 0.3630



27.4561, 0.2791, 0.1947



27.4561, 0.4624, 0.2795

Sweetspot

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



27.4573, 0.3134, 0.5308



58.9803, 0.3148, 0.3830



28.4988, 0.4164, 0.4588



13.0794, 0.3150, 0.3910



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



27.4573, 0.3134, 0.5308



48.3819, 0.3101, 0.5681



27.4328, 0.2810, 0.4686



7.9437, 0.3138, 0.3521



20.5263, 0.3050, 0.5960



0.4450, 0.3233, 0.5815

Inverse Universe

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



11.4471, 0.2966, 0.1721



17.0814, 0.2912, 0.1501



11.8825, 0.3811, 0.2271



7.1481, 0.3115, 0.3067



6.3067, 0.2840, 0.1338



0.1462, 0.2983, 0.1417

Previews

White Background



This preview shows how the Yxy color 27.4561, 0.3134, 0.5308 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 27.4561, 0.3134, 0.5308 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 27.4561, 0.3134, 0.5308

Background



This preview shows how black text looks on a background with the Yxy color 27.4561, 0.3134, 0.5308.



This preview shows how white text looks on a background with the Yxy color 27.4561, 0.3134, 0.5308.

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

27.4561, 0.3134, 0.5308

Protanopia

26.9472, 0.4202, 0.4613

Deuteranopia

26.9282, 0.4363, 0.4273



Tritanopia

27.5165, 0.2524, 0.3081

Trichromacy



Original Color

27.4561, 0.3134, 0.5308



Protanomaly

26.2549, 0.3752, 0.4895



Deuteranomaly

25.9910, 0.3848, 0.4663



Tritanomaly

27.2106, 0.2771, 0.3894

Monochromacy



Original Color

27.4561, 0.3134, 0.5308



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

21.7162, 0.3155, 0.4064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4561, 0.3134, 0.5308 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(71, 162, 55)` looks like.

```
.text, #text, p{  
    color:rgb(71, 162, 55)  
}
```

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(71, 162, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 162, 55) }
```

Border

The CSS property to change the border of an element to Yxy 27.4561, 0.3134, 0.5308 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(71, 162, 55) }
```

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

```
.border{ border-color:rgb(71, 162, 55) }
```

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

Here you see how a box with a 4 pixel rgb(71, 162, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 162, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 162, 55);  
box-shadow:4px 4px 4px 4px rgb(71, 162,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4561, 0.3134, 0.5308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 162, 55) }
```

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

```
.background{ background-color: rgb(71, 162,  
55) }
```

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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